



# ELAV1 Monoclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | YP-mAb-07788                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity         | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Name          | ELAVL1 HUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protein Name       | ELAV-like protein 1 (Hu-antigen R) (HuR)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen          | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity        | ELAV1 Monoclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                             |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source             | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                        |
| Dilution           | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Observed Band      | 35kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cell Pathway       | Cytoplasm . Nucleus . Cytoplasm, Stress granule . Cytoplasm, P-body . Translocates into the cytoplasm following phosphorylation by MAPKAPK2 (PubMed:14517288). Likewise, phosphorylation by PRKCD promotes translocation from the nucleus into the cytoplasm, where it is associated with free and cytoskeleton-bound polysomes (PubMed:18285462).Localizes to the stress granules in the presence of PLEKHN1 (By similarity). .                                            |
| Tissue Specificity | Ubiquitous. Detected in brain, liver, thymus and muscle.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Function           | function:Binds avidly to the AU-rich element in FOS and IL3/interleukin-3 mRNAs. In the case of the FOS AU-rich element, HUR binds to a core element of 27 nucleotides that contain AUUUA, AUUUUA, and AUUUUUA motifs.,PTM:Methylated at Arg-217 by CARM1 in macrophages in response to LPS challenge.,similarity:Belongs to the RRM elav family.,similarity:Contains 3 RRM (RNA recognition motif) domains.,subunit:Interacts with ANP32A.,tissue specificity:Ubiquitous., |
| Background         | ELAV like RNA binding protein 1(ELAVL1) Homo sapiens The protein encoded by this gene is a member of the ELAVL family of RNA-binding proteins that contain several RNA recognition motifs, and selectively bind AU-rich elements (AREs) found in the 3' untranslated regions of mRNAs. AREs                                                                                                                                                                                 |



signal degradation of mRNAs as a means to regulate gene expression, thus by binding AREs, the ELAVL family of proteins play a role in stabilizing ARE-containing mRNAs. This gene has been implicated in a variety of biological processes and has been linked to a number of diseases, including cancer. It is highly expressed in many cancers, and could be potentially useful in cancer diagnosis, prognosis, and therapy. [provided by RefSeq, Sep 2012],

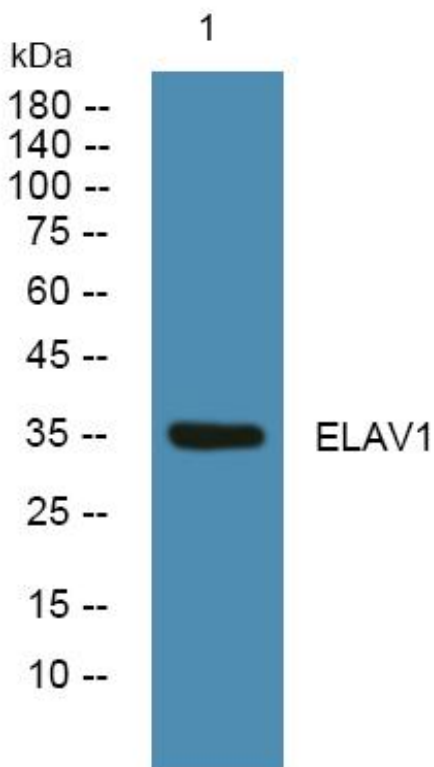
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using ELAV1 Monoclonal Antibody