



# MK Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-15998                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>                  | Human;Rat                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>                | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>                   | MDK                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from the Internal region of human MDK. AA range:94-143                                                                                                                                                                                                                         |
| <b>Specificity</b>                 | MK Polyclonal Antibody detects endogenous levels of MK protein.                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                       |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                        |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                         |
| <b>Dilution</b>                    | WB: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000.. IF 1:50-200                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>                    | EC:2.7.1.36;LRBP;Mevalonate kinase;MK;MVLK;MDK;Midkine;MK1;NEGF2; Amphiregulin-associated protein;ARAP;Midgestation and kidney protein;Neurite outgrowth-promoting factor 2;Neurite outgrowth-promoting protein                                                                                                                               |
| <b>Observed Band</b>               | 18kD                                                                                                                                                                                                                                                                                                                                          |
| <b>Calculated Molecular Weight</b> | 18kD                                                                                                                                                                                                                                                                                                                                          |
| <b>Cell Pathway</b>                | Secreted.                                                                                                                                                                                                                                                                                                                                     |
| <b>Tissue Specificity</b>          | Expressed in various tumor cell lines. In insulinoma tissue predominantly expressed in precancerous lesions.                                                                                                                                                                                                                                  |
| <b>Function</b>                    | function:Has heparin binding activity, and growth promoting activity. Involved in neointima formation after arterial injury, possibly by mediating leukocyte recruitment. Also involved in early fetal adrenal gland development.,induction:By heparin and retinoic acid.,similarity:Belongs to the pleiotrophin family., subunit:Homodimer., |
| <b>Background</b>                  | This gene encodes a member of a small family of secreted growth factors that binds heparin and responds to retinoic acid. The encoded protein promotes cell growth, migration, and angiogenesis, in particular during tumorigenesis. This                                                                                                     |



gene has been targeted as a therapeutic for a variety of different disorders. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012],

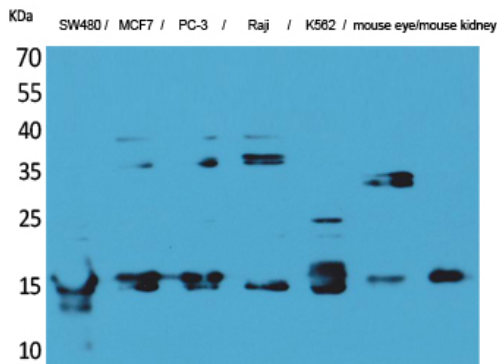
**matters needing attention**

Avoid repeated freezing and thawing!

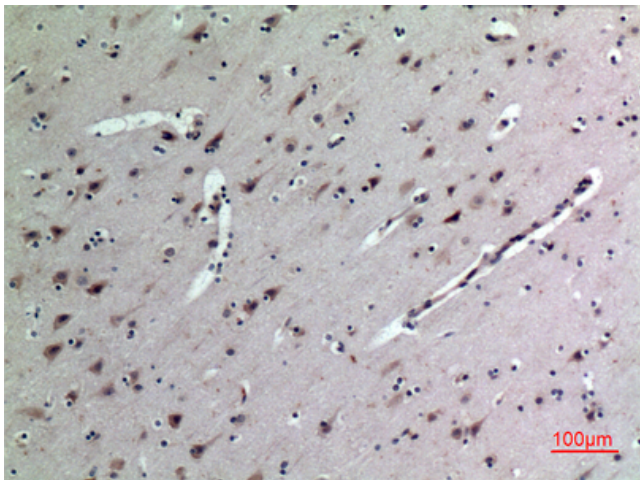
**Usage suggestions**

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

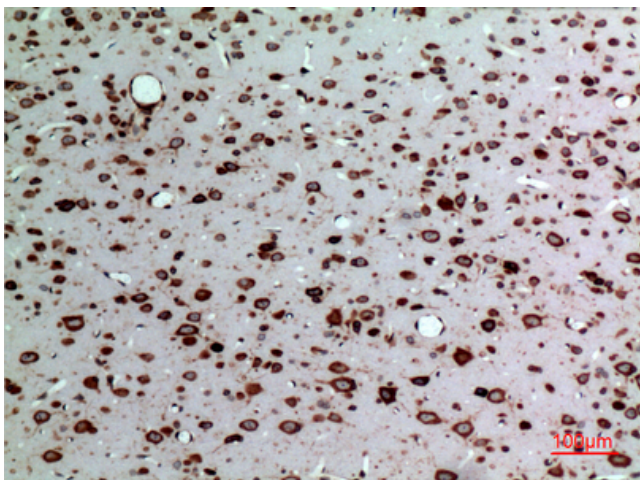
## Products Images



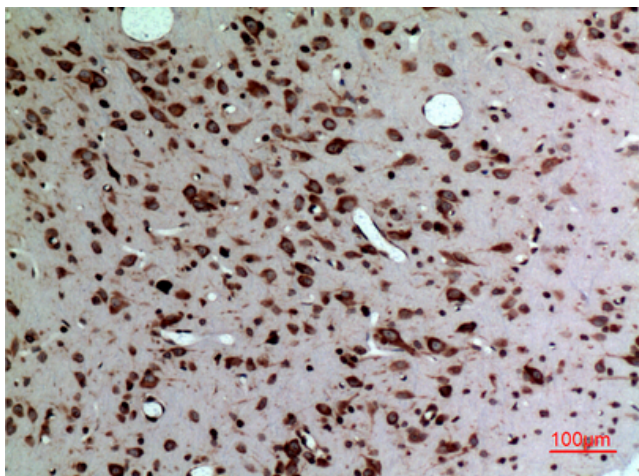
Western Blot analysis of SW480, MCF7, PC-3, Raji, K562, mouse eye, mouse kidney cells using MK Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



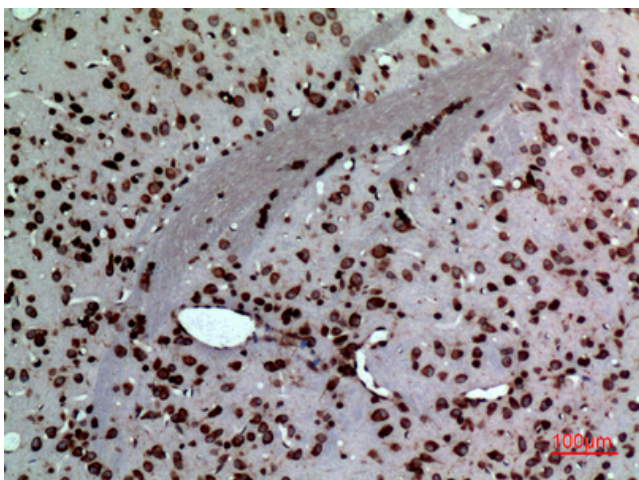
Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100