



# NK-1R Rabbit mAb

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No                  | YP-rAb-17158                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity                  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applications                | WB,IF,IP,ELISA                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Name                   | TACR1                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Name                | Substance-P receptor                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purification Process        | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                 | Endogenous                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Formulation                 | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA                                                                                                                                                                                                                                                                                                                                                                                          |
| Source                      | Monoclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dilution                    | WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;                                                                                                                                                                                                                                                                                                                                                                |
| Concentration               | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Storage Stability           | -15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)                                                                                                                                                                                                                                                                                                                                                                                    |
| Synonyms                    | NK-1R;Substance-P receptor;TACR1 ; NK1R ; TAC1R ; Substance-P receptor ; SPR ; NK-1 receptor ; NK-1R ; Tachykinin receptor 1;TACR1                                                                                                                                                                                                                                                                                                      |
| Observed Band               | 46kD                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Calculated Molecular Weight | 46kD                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cell Pathway                | Cell membrane; Multi-pass membrane protein.                                                                                                                                                                                                                                                                                                                                                                                             |
| Tissue Specificity          | Brain,G-protein coupled receptors,Lung,Placenta,                                                                                                                                                                                                                                                                                                                                                                                        |
| Function                    | This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.,online information:Tachykinin entry,similarity:Belongs to the G-protein coupled receptor 1 family.,                                            |
| Background                  | This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P. [provided by RefSeq, Sep 2008], |



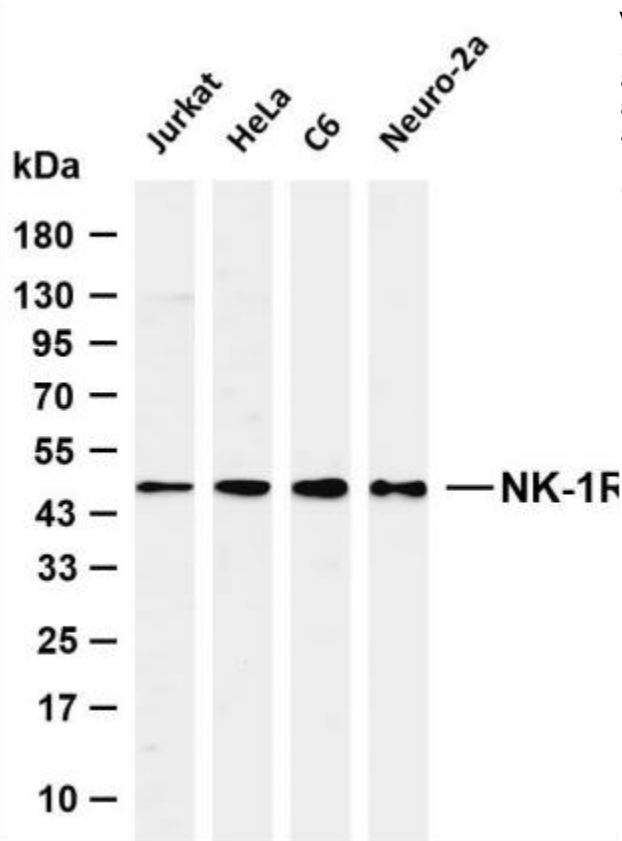


**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NK-1R antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Jurkat Lane 2: HeLa Lane 3: C6 Lane 4: Neuro-2a Predicted band size: 46kDa Observed band size: 46kDa

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