

## NK-2R Polyclonal Antibody

<b>Catalog No :</b>	YT3132
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	NK-2R
<b>Fields :</b>	>>Calcium signaling pathway;>>Neuroactive ligand-receptor interaction
<b>Gene Name :</b>	TACR2
<b>Protein Name :</b>	Substance-K receptor
<b>Human Gene Id :</b>	6865
<b>Human Swiss Prot No :</b>	P21452
<b>Mouse Swiss Prot No :</b>	P30549
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human NK2R. AA range:301-350
<b>Specificity :</b>	NK-2R Polyclonal Antibody detects endogenous levels of NK-2R 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>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 48kD

**Cell Pathway :** Calcium;Neuroactive ligand-receptor interaction;

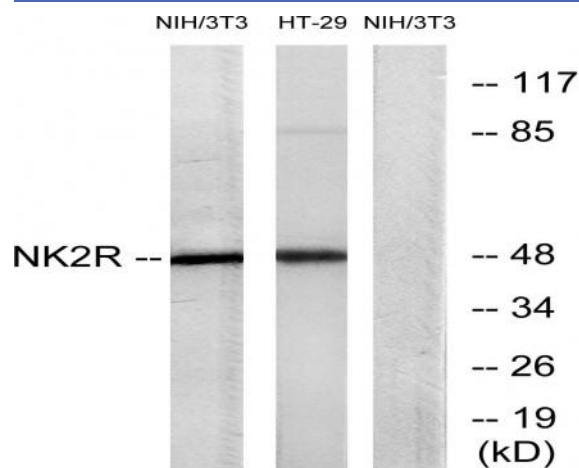
**Background :** This gene belongs to a family of genes that function as receptors for tachykinins. Receptor affinities are specified by variations in the 5' end of the sequence. The receptors belonging to this family are characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin neuropeptide substance K, also referred to as neurokinin A. [provided by RefSeq, Jul 2008],

**Function :** function:This is a receptor for the tachykinin neuropeptide substance K (neurokinin A). It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system.,miscellaneous:The rank order of affinity of this receptor to tachykinins is: substance K > neuromedin-K > substance P.,similarity:Belongs to the G-protein coupled receptor 1 family.,

**Subcellular Location :** Cell membrane; Multi-pass membrane protein.

**Expression :** Bone marrow,Lung,Stomach,Trachea,

## Products Images



Western blot analysis of lysates from NIH/3T3 and HT-29 cells, using NK2R Antibody. The lane on the right is blocked with the synthesized peptide.