

## TXNIP rabbit pAb

|                              |                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No :</b>          | YT8122                                                                                                                |
| <b>Reactivity :</b>          | Human;Mouse;Rat                                                                                                       |
| <b>Applications :</b>        | IHC;WB                                                                                                                |
| <b>Target :</b>              | TXNIP                                                                                                                 |
| <b>Gene Name :</b>           | TXNIP VDUP1                                                                                                           |
| <b>Protein Name :</b>        | Thioredoxin-interacting protein (Thioredoxin-binding protein 2) (Vitamin D3 up-regulated protein 1)                   |
| <b>Human Gene Id :</b>       | 10628                                                                                                                 |
| <b>Human Swiss Prot No :</b> | Q9H3M7                                                                                                                |
| <b>Mouse Gene Id :</b>       | 56338                                                                                                                 |
| <b>Mouse Swiss Prot No :</b> | Q8BG60                                                                                                                |
| <b>Rat Gene Id :</b>         | 117514                                                                                                                |
| <b>Rat Swiss Prot No :</b>   | Q5M7W1                                                                                                                |
| <b>Immunogen :</b>           | Synthesized peptide derived from human N-terminal TXNIP                                                               |
| <b>Specificity :</b>         | This antibody detects endogenous levels of TXNIP at Human, Mouse,Rat                                                  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                        |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG                                                                                                |
| <b>Dilution :</b>            | WB 1:500-2000 IHC 1:50-200                                                                                            |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

**Concentration :** 1 mg/ml**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)**Molecularweight :** 43kD

**Function :** May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. Interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm. Functions as a transcriptional repressor, possibly by acting as a bridge molecule between transcription factors and corepressor complexes, and over-expression will induce G0/G1 cell cycle arrest. Required for the maturation of natural killer cells. Acts as a suppressor of tumor cell growth. Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1).

**Subcellular Location :** Cytoplasm .

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