

## TRIM3 Polyclonal Antibody

<b>Catalog No :</b>	YT4736
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	TRIM3
<b>Gene Name :</b>	TRIM3
<b>Protein Name :</b>	Tripartite motif-containing protein 3
<b>Human Gene Id :</b>	10612
<b>Human Swiss Prot No :</b>	O75382
<b>Mouse Gene Id :</b>	55992
<b>Mouse Swiss Prot No :</b>	Q9R1R2
<b>Rat Gene Id :</b>	83616
<b>Rat Swiss Prot No :</b>	O70277
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TRIM3. AA range:1-50
<b>Specificity :</b>	TRIM3 Polyclonal Antibody detects endogenous levels of TRIM3 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. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
<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)

**Observed Band :** 81kD

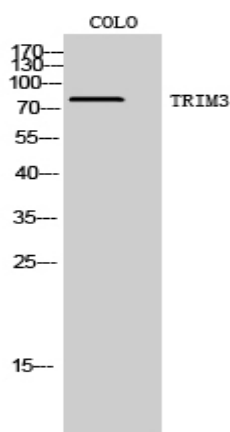
**Background :** The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also called the 'RING-B-box-coiled-coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein localizes to cytoplasmic filaments. It is similar to a rat protein which is a specific partner for the tail domain of myosin V, a class of myosins which are involved in the targeted transport of organelles. The rat protein can also interact with alpha-actinin-4. Thus it is suggested that this human protein may play a role in myosin V-mediated cargo transport. Alternatively spliced transcript variants encoding the same isoform have been identified. [provided by RefSeq, Jul 2008],

**Function :** domain:The interaction with myosin V is dependent upon its NHL repeats, which form a beta-propeller (NHL) domain containing six blades.,similarity:Belongs to the TRIM/RBCC family.,similarity:Contains 1 B box-type zinc finger.,similarity:Contains 1 filamin repeat.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 6 NHL repeats.,subunit:Associates with myosin V and alpha-actinin-4 (ACTN4).,tissue specificity:Expressed in brain, heart, uterus and testis.,

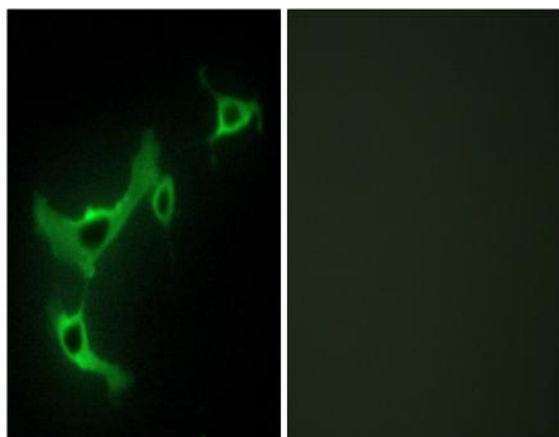
**Subcellular Location :** Cytoplasm . Early endosome . Golgi apparatus, trans-Golgi network . Cell projection, dendrite .

**Expression :** Expressed in brain, heart, uterus and testis.

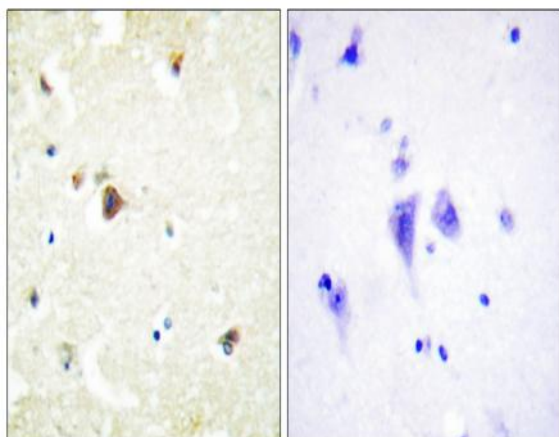
## Products Images



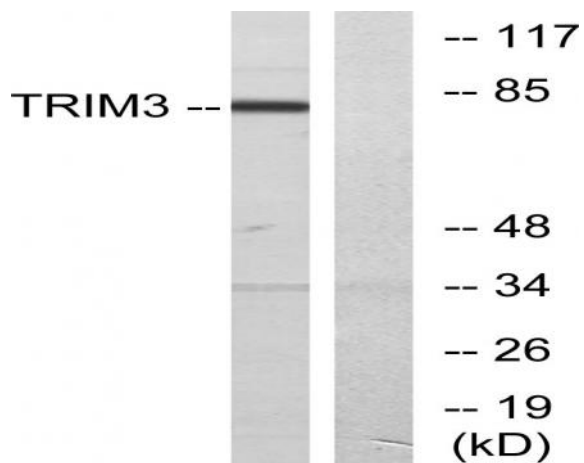
Western Blot analysis of COLO cells using TRIM3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



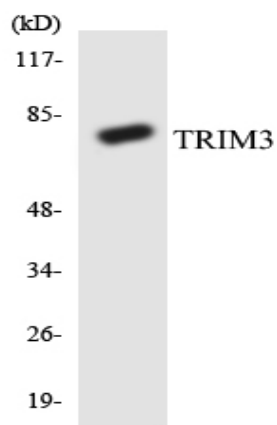
Immunofluorescence analysis of NIH/3T3 cells, using TRIM3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using TRIM3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using TRIM3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using TRIM3 antibody.