Data Sheet (Cat.No.TMAC-03937)

Anti-Phospho-Synaptotagmin-1 (Thr202) Polyclonal Antibody

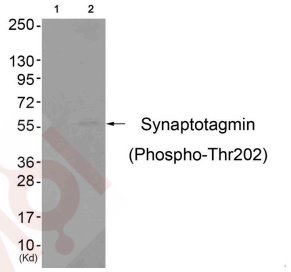
Product Details

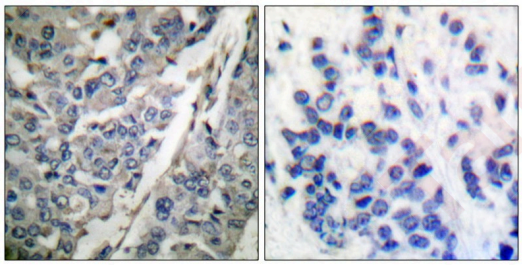
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 60 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:

1. Western blot analysis of extracts from colo cells (Lane 2), using Synaptotagmin (Phospho-Thr202) Antibody TMAC-03937. The lane on the left is treated with antigen-specific peptide.
2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Synaptotagmin (phospho-Thr202) antibody TMAC-03937 (left) or the same antibody preincubated with blocking peptide (right).





Application:	IHC,WB
Recommended	WB: 1:500-1000; IHC: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 202(R-K-T(p)-L-N) derived from Human Synaptotagmin
Antigen Species:	Human
Uniprot ID:	P21579
Synonyms:	Synaptotagmin-1 (p-T202);p-Synaptotagmin-1 (T202);p-Synaptotagmin-1 (Thr202); Synaptotagmin-1 (p-Thr202)

Research Background

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin I participates in triggering neurotransmitter release at the synapse.