

## Anti-Synaptophysin Antibody (5W443)

## Product Details

Ig Type:	IgG1, k
Reactivity:	Mouse,Rat(predicted:Human)
Molecular Weight:	Theoretical: 34 kDa. Actual: 40 kDa.
Clone:	5W443
Purification:	Protein G purified

## Applications

Sample:	Lane 1: Human brain tissue lysates Lane 2: Mouse brain tissue lysates
Verified Activity:	Primary: Anti-Synaptophysin (TMAB-13313) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 38 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Synaptophysin
Antigen Species:	Human
Gene ID:	6855
Uniprot ID:	P08247

## Research Background

This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with X-linked mental retardation (XLMR). [provided by RefSeq, Aug 2011]

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