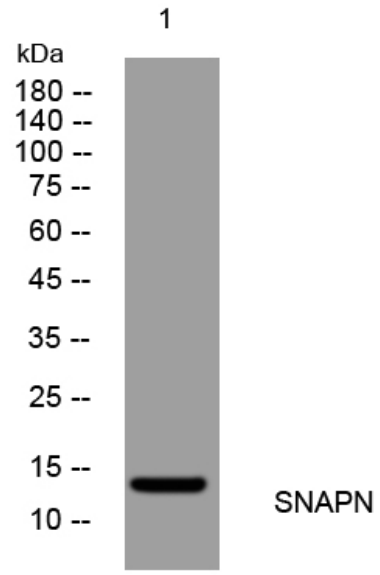
SNAPN rabbit pAb

Catalog No	YP-Ab-08367
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	SNAPIN SNAP25BP SNAPAP
Immunogen	Synthesized peptide derived from human SNAPN AA range: 9-59
Specificity	This antibody detects endogenous levels of SNAPN at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	OTTHUMP35157;SNAP associated protein;SNAP-25-binding protein;SNAP-associated protein;SNAP25BP;SNAPAP;Snapin;SNAPN_HUMAN;SNARE associated protein snapin;SNARE-associated protein Snapin;Synaptosomal associated protein 25 binding protein;Synaptosomal-associated protein 25-binding protein;SNAPN;SNAPIN SNAP25BP SNAPAP
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytosol . Cytoplasm, perinuclear region . Golgi apparatus membrane . Lysosome membrane . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane . Colocalizes with NANOS1 and PUM2 in the perinuclear region of germ cells. .
Tissue Specificity	Expressed in male germ cells of adult testis (at protein level).
Function	function:May modulate a step between vesicle priming, fusion and calcium-dependent neurotransmitter release by potentiating the interaction of synaptotagmins with the SNAREs and the plasma-membrane-associated protein SNAP25. Its phosphorylation state influences exocytotic protein interactions and may regulate synaptic vesicle exocytosis. May also have a role in the mechanisms of SNARE-mediated membrane fusion in non-neuronal cells.,

	PTM:Phosphorylated.,subcellular location:May be cytoplasmic and peripheral membrane bound or anchored to the vesicular membrane through an N-terminal signal anchor.,subunit:Associates with the SNARE complex. Interacts with SNAP23, SNAP25 and STX4A but not with STX1A, VAMP2 and SYT1. Phosphorylation increases its interaction with SNAP25 (By similarity). Interacts with RGS7. Component of the biogenesis of lysosome-related organelles (BLOC-1) complex which is req
Background	The protein encoded by this gene is a coiled-coil-forming protein that associates with the SNARE (soluble N-ethylmaleimide-sensitive fusion protein attachment protein receptor) complex of proteins and the BLOC-1 (biogenesis of lysosome-related organelles) complex. Biochemical studies have identified additional binding partners. As part of the SNARE complex, it is required for vesicle docking and fusion and regulates neurotransmitter release. The BLOC-1 complex is required for the biogenesis of specialized organelles such as melanosomes and platelet dense granules. Mutations in gene products that form the BLOC-1 complex have been identified in mouse strains that are models of Hermansky-Pudlak syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HEK293 cells, primary antibody was diluted at 1:1000, 4°over night