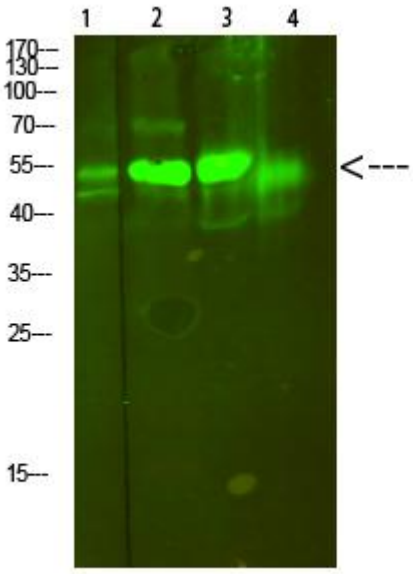
V-ATPase S1 Monoclonal Antibody

Catalog No	YP-mAb-10770
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ATP6AP1
Protein Name	V-ATPase S1
Immunogen	Synthesized peptide derived from human V-ATPase S1. at AA range: 421-470
Specificity	V-ATPase S1 Monoclonal Antibody detects endogenous levels of V-ATPase S1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	V-type proton ATPase subunit S1 (V-ATPase subunit S1) (Protein XAP-3) (V-ATPase Ac45 subunit) (V-ATPase S1 accessory protein) (Vacuolar proton pump subunit S1)
Observed Band	51kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Endoplasmic reticulum-Golgi intermediate compartment membrane . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Single-pass type I membrane protein . Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Single-pass type I membrane protein . Not detected in trans-Golgi network. .
Tissue Specificity	widely expressed, with highest levels in brain and lowest in liver and duodenum.
Function	function:Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.,similarity:Belongs to the vacuolar ATPase subunit S1 family.,subunit:Composed of at least 10 subunits.,tissue specificity:Ubiquitous.,
Background	This gene encodes a component of a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene may assist in

	the V-ATPase-mediated acidification of neuroendocrine secretory granules. This protein may also play a role in early development. [provided by RefSeq, Aug 2013],
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 various cells using V-ATPase S1 Monoclonal Antibody