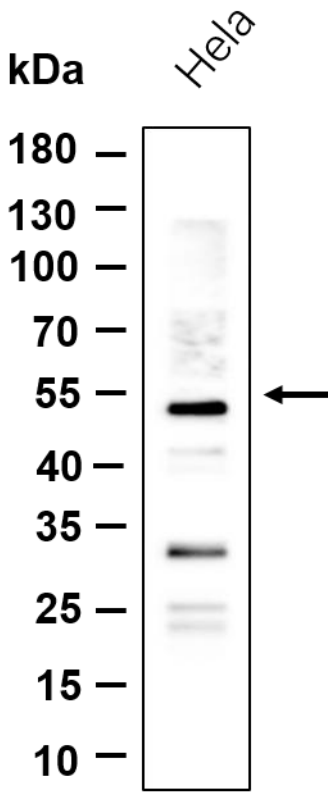
RGS6 Rabbit mAb

Catalog No	YP-rAb-17446
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	RGS6
Protein Name	Regulator of G-protein signaling 6 (RGS6) (S914)
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:1000-1:5000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	
Observed Band	52kD
Calculated Molecular Weight	52kD
Cell Pathway	SUBCELLULAR LOCATION: Cytoplasm {ECO:0000269|PubMed:12761221}. Cytoplasm, cytosol {ECO:0000269|PubMed:10521509}. Membrane {ECO:0000269|PubMed:10521509}; Peripheral membrane protein {ECO:0000269|PubMed:10521509}. Nucleus {ECO:0000269|PubMed:12761221}. Cell membrane {ECO:0000250|UniProtKB:Q9Z2H2}. Note=Interaction with GNB5 mediates translocation to the nucleus. {ECO:0000269|PubMed:12761221}.
Tissue Specificity	
Function	Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. The RGS6/GNB5 dimer enhances GNAO1 GTPase activity (PubMed:10521509). {ECO:0000269|PubMed:10521509}.
Background	This gene encodes a member of the RGS (regulator of G protein signaling) family of proteins, which are defined by the presence of a RGS domain that confers the

GTPase-activating activity of these proteins toward certain G alpha subunits. This protein also belongs to a subfamily of RGS proteins characterized by the presence of DEP and GGL domains, the latter a G beta 5-interacting domain. The RGS proteins negatively regulate G protein signaling, and may modulate neuronal, cardiovascular, lymphocytic activities, and cancer risk. Many alternatively spliced transcript variants encoding different isoforms with long or short N-terminal domains, complete or incomplete GGL domains, and distinct C-terminal domains, have been described for this gene, however, the full-length nature of some of these variants is not known.[provided by RefSeq, Mar 2011]

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.



Western blot analysis of lysates from HeLa cell, primary antibody was diluted at 1:1000, 4° over night, Dylight 800 secondary antibodywas diluted at 1:10000, 37° 1hour.