

# Immunotag™ SAPAP1 Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0574
Product Description	Immunotag™ SAPAP1 Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SAPAP1
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of human SAPAP1 expressed in E. Coli.
Specificity	SAPAP1 Monoclonal Antibody detects endogenous levels of SAPAP1 protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	DLGAP1
Accession No.	O14490 Q9D415
Alternate Names	DLGAP1; DAP1; GKAP; Disks large-associated protein 1; DAP-1; Guanylate kinase-associated protein; hGKAP; PSD-95/SAP90-binding protein 1; SAP90/PSD-95-associated protein 1; SAPAP1

## Antibody Specification

Description	function:Part of the postsynaptic scaffold in neuronal cells.,similarity:Belongs to the SAPAP family.,subcellular location:Found in postsynaptic density of neuronal cells.,subunit:Interacts with guanylate kinase-like domain of DLG1, DLG2, DLG3, DLG4 and AIP1. Interacts with the PDZ domain of SHANK1, SHANK2 and SHANK3. Found in a complex with DLG4 and SHANK1, SHANK2 or SHANK3. Found in a complex with DLG4 and BEGAIN. Interacts with DYL2 and LRFN1.,tissue specificity:Expressed in brain.,
Protein Expression	Brain,Testis,
Subcellular Localization	postsynaptic density,cell junction,synapse,postsynaptic membrane,
Protein Function	function:Part of the postsynaptic scaffold in neuronal cells.,similarity:Belongs to the SAPAP family.,subcellular location:Found in postsynaptic density of neuronal cells.,subunit:Interacts with guanylate kinase-like domain of DLG1, DLG2, DLG3, DLG4 and AIP1. Interacts with the PDZ domain of SHANK1, SHANK2 and SHANK3. Found in a complex with DLG4 and SHANK1, SHANK2 or SHANK3. Found in a complex with DLG4 and BEGAIN. Interacts with DYL2 and LRFN1.,tissue specificity:Expressed in brain.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.