

## Immunotag™ PDLIM5 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3647
Product Description	Immunotag™ PDLIM5 Polyclonal 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	PDLIM5
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human PDLIM5. AA range:208-257
Specificity	PDLIM5 Polyclonal Antibody detects endogenous levels of PDLIM5 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PDLIM5
Accession No.	Q96HC4 Q8CI51
Alternate Names	PDLIM5; ENH; L9; PDZ and LIM domain protein 5; Enigma homolog; Enigma-like PDZ and LIM domains protein

## Antibody Specification

Description	PDZ and LIM domain 5(PDLIM5) Homo sapiens This gene encodes a member of a family of proteins that possess a 100-amino acid PDZ domain at the N terminus and one to three LIM domains at the C-terminus. This family member functions as a scaffold protein that tethers protein kinases to the Z-disk in striated muscles. It is thought to function in cardiomyocyte expansion and in restraining postsynaptic growth of excitatory synapses. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012],
Protein Expression	Brain,Epithelium,Liver,Placenta,Platelet,Skeletal muscle,Skin,
Subcellular Localization	cytoplasm,cytosol,cell-cell adherens junction,postsynaptic density,actin cytoskeleton,membrane,neuron projection,postsynaptic membrane,
Protein Function	caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:May play a role in genetic susceptibility to schizophrenia. PDLIM5 is commonly increased in the brain of patients with bipolar disorder, schizophrenia, and major depression.,function:May play an important role in the heart development by scaffolding PKC to the Z-disk region.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 3 LIM zinc-binding domains.,subunit:Interacts with various PKC isoforms through the LIM domains. Interacts with actin and alpha-actinin through the PDZ domain.,tissue specificity:Heart and skeletal muscle specific.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.