# PDLIM5 (phospho-Y251) polyclonal antibody

Catalog: BS4820 Host: Rabbit Reactivity: Human

## BackGround:

PDLIM5 (PDZ and LIM domain 5), also known as L9, ENH (Enigma homolog),LIM or ENH1, is a member of the Enigma family of proteins. Proteins belonging to this family contain an N-terminal PDZ (post-synaptic density-95/discs large/zone occludens-1) domain and one to three C-terminal LIM domains that typically associate with various isoforms of PKC (protein kinase C). Expressed in a wide variety of tissues, PDLIM5 contains three LIM zinc-binding domains and one PDZ domain. In the brain, PDLIM5 colocalizes with synaptic vesicles of neurotransmitters and regulates neuronal calcium signaling through an interaction with PKC ε and N-type Ca++ CP α1B (N-type calcium channel α1B subunit). Expression of PDLIM5 is often increased in the brain of patients with schizophrenia, major depression and bipolar disorder. This suggests that PDLIM5 may contribute to the genetic susceptibility of such conditions.

## Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

## Molecular Weight:

~64kDa

## Swiss-Prot:

Q96HC4

## Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

IHC: 1:50~1:200

## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

p-PDLIM5 (Y251) polyclonal antibody detects endogenous levels of PDLIM5 protein only when phosphorylated at Tyr251.

## DATA:

## Note:

For research use only, not for use in diagnostic procedure.

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