SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-IMPAD1 antibody

Catalog Number: SL6248R

FOR RESEARCH USE ONLY

[DATASHEET]

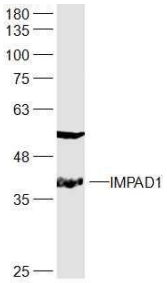
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IMPAD1
Immunogen:	KLH conjugated synthetic peptide derived from human IMPAD1: 81-180/359
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Sheep)
Predicted MW.:	39kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	This gene encodes a member of the inositol monophosphatase family. The encoded protein is localized to the Golgi apparatus and catalyzes the hydrolysis of phosphoadenosine phosphate (PAP) to adenosine monophosphate (AMP). Mutations in this gene are a cause of GRAPP type chondrodysplasia with joint dislocations, and a pseudogene of this gene is located on the long arm of chromosome 1. **Function:** May play a role in the formation of skeletal elements derived through endochondral ossification, possibly by clearing adenosine 3',5'-bisphosphate produced by Golgi sulfotransferases during glycosaminoglycan sulfation **Subcellular Location:** Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein. **Post-translational modifications:** Contains N-linked glycan resistant to endoglycosydase H. DISEASE: Defects in IMPAD1 are the cause of chondrodysplasia with joint

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	dislocations GPAPP type (CDP-GPAPP) [MIM:614078]. A condition consisting of congenital joint dislocations, chondrodysplasia with short stature, micrognathia and cleft palate, and a distinctive face. **Similarity:** Belongs to the inositol monophosphatase family. **Database links:** **Entrez Gene:** 54928 Human **Entrez Gene:** 242291 Mouse **Entrez Gene:** 103689950 Rat **Entrez Gene:** 312952 Rat Omim: 614010 Human **SwissProt:** Q9NX62 Human **SwissProt:** Q80V26 Mouse **SwissProt:** D4AD37 Rat **Unigene:** 438689 Human **Unigene:** 218889 Mouse **Unigene:** 369779 Mouse **Unigene:** 65720 Rat

[VALIDATION IMAGES]



Sample:
Muscle(Mouse) (Mouse) Lysate at 40 ug
Primary: Anti-IMPAD1 (SL6248R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 39 kD

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