

Rabbit LRIG1 Polyclonal Antibody | anti-LRIG1 antibody

Anti-LRIG1 Antibody

CATALOG # AAA124957	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

LRIG1; Polyclonal Antibody; Anti-LRIG1 Antibody; Leucine-rich repeats and immunoglobulin-like domains protein 1; LIG-1; Leucine rich repeats and immunoglobulin like domains 1; anti-LRIG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized
Sequence Length	1,070
Applicable Applications for anti-LRIG1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human LRIG1 (AKRAFSGLESLEHLNLGENAIRSVQFDAFAKMKNLKELYI).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG () for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit () for IHC-P.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Figure 1. Western blot analysis of LRIG1 using anti-LRIG1 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human Caco-2 whole cell lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LRIG1 antigen affinity purified polyclonal antibody at 0.5 ug/ml overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LRIG1 at approximately 145KD. The expected band size for LRIG1 is at 119KD.

ADDITIONAL INFORMATION

Related Product Information for anti-LRIG1 antibody	Description: Rabbit IgG polyclonal antibody for LRIG1 detection. Tested with WB, IHC-P in Human; Mouse; Rat. Background: Leucine-rich repeats and immunoglobulin-like domains protein 1 is a protein that in humans is encoded by the LRIG1 gene. It is mapped to 3p14.1. Leucine-rich repeats and immunoglobulin-like domains protein 1 is a protein that in humans is encoded by the LRIG1 gene. It encodes a transmembrane protein that has been shown to interact with receptor tyrosine kinases of the EGFR-family, MET and RET. This gene encodes a member of the ATP-dependent DNA ligase protein family. The encoded protein functions in DNA replication, recombination, and the base excision repair process. Mutations in this gene that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents. Disruption of this gene may also be associated with a variety of cancers. Alternative splicing results in multiple transcript variants.
References	1. Guo, D., Holmlund, C., Henriksson, R., Hedman, H. The LRIG gene family has three vertebrate paralogs widely expressed in human and mouse tissues and a homolog in Ascidiacea. Genomics 84: 157-165, 2004. 2. Jensen, K. B., Watt, F. M. Single-cell expression profiling of human epidermal stem and transit-amplifying cells: Lrig1 is a regulator of stem cell quiescence. Proc. Nat. Acad. Sci. 103: 11958-11963, 2006. 3. Nilsson, J., Vallbo, C., Guo, D., Golovleva, I., Hallberg, B., Henriksson, R., Hedman, H. Cloning, characterization, and expression of human LIG1. Biochem. Biophys. Res. Commun. 284: 1155-1161, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607118
NCBI GeneID	26018
NCBI Accession #	NP_056356.2
NCBI GenBank Nucleotide #	NM_015541.2
UniProt Accession #	Q96JA1; Q6IQ51; Q96CF9; Q9BYB8; Q9UFI4
Molecular Weight	116,378 Da
NCBI Official Full Name	leucine-rich repeats and immunoglobulin-like domains protein 1
NCBI Official Synonym Full Names	leucine rich repeats and immunoglobulin like domains 1
NCBI Official Symbol	LRIG1
NCBI Official Synonym Symbols	LIG1; LIG-1
NCBI Protein Information	leucine-rich repeats and immunoglobulin-like domains protein 1
UniProt Protein Name	Leucine-rich repeats and immunoglobulin-like domains protein 1
UniProt Gene Name	LRIG1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lrig1-antibody-immunohistochemistry-western-blot-elisa/124957>