

Product datasheet for **TA355006**

JAGN1 Rabbit Polyclonal Antibody

Product data:

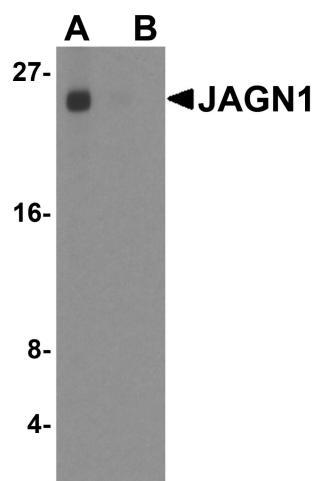
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1-2µg/ml. IHC starting at 2.5µg/mL.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	JAGN1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human JAGN1. The immunogen is located within the last 50 amino acids of JAGN1.
Formulation:	JAGN1 antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	JAGN1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 20 kDa; Observed: 25 kDa
Gene Name:	jagunal homolog 1
Database Link:	NP_115881 Entrez Gene 84522 Human Q8N5M9
Background:	JAGN1 is the human ortholog of a gene originally identified in <i>Drosophila melanogaster</i> . It is a transmembrane protein that functions in the early secretory pathway and is necessary for neutrophil differentiation and survival. Individuals with mutations in the JAGN1 gene causes aberrant myeloid cell homeostasis and severe congenital neutropenia (SCN) (1). JAGN1-mutant granulocytes are characterized by ultrastructural defects, aberrant N-glycosylation of multiple proteins, and increased apoptosis (1). Mice lacking this gene could not mount an efficient neutrophil-dependent immune response to a human fungal pathogen (2).
Synonyms:	FLJ14602; GL009



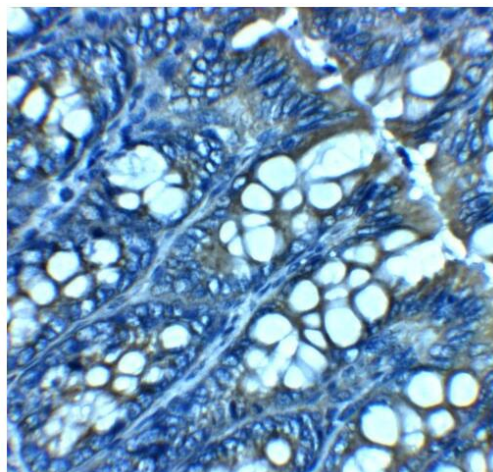
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Note: JAGN1 antibody can be used for detection of JAGN1 by Western blot at 1 - 2 $\mu\text{g/ml}$. Antibody can also be used for immunohistochemistry starting at 2.5 $\mu\text{g/ml}$.

Product images:



Western blot analysis of JAGN1 in MCF7 cell lysate with JAGN1 antibody at 1 $\mu\text{g/ml}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of JAGN1 in rat colon tissue with JAGN1 antibody at 2.5 $\mu\text{g/ml}$.