

Anti-PJA1 Antibody

Catalog Number: A11179

About PJA1

Ubiquitination is an important cellular degradation process requiring sequential reactions that are mediated by three enzymes: E1, E2 and E3. PJA1, also known as Praja1 and RING finger protein 70, is a 643 amino acid E2-dependent E3-ubiquitin ligase that is abundantly expressed in the brain (1,2). Through interaction and activation with the E2-ubiquitin ligase UBC4, PJA1 mediates substrate-specific ubiquitination via its RING finger domain and facilitates ubiquitination (3). Overexpression of PJA1 in gastrointestinal cancers suggests that it may be responsible for the degradation of some anti-oncogenic proteins (4,5).

Overview

Product Name	Anti-PJA1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PJA1 Antibody (Catalog # A11179). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PJA1 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PJA1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q8NG27

Technical Details

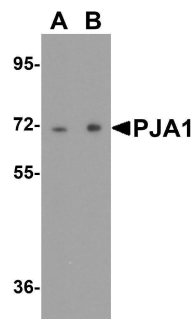
Immunogen	PJA1 antibody was raised against a 19 amino acid peptide near the amino terminus of human PJA1. The immunogen is located within amino acids 50 - 100 of PJA1.
Predicted Reactive Species	Bovine, Mouse, Pig, Rat
Cross Reactivity	PJA1 antibody is human, mouse and rat reactive. At least two isoforms of PJA1 are known to exist; this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PJA1 antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

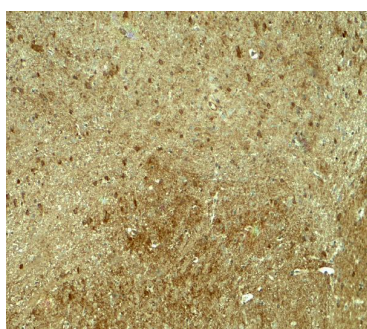
PJA1 antibody can be used for detection of PJA1 by Western blot at 0.25 – 0.5 ug/ml. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

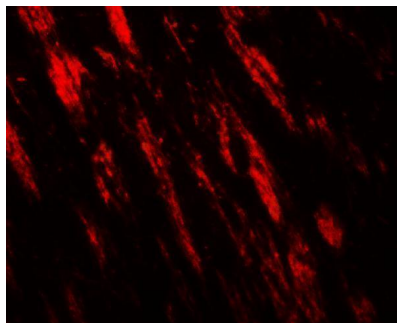
Anti-PJA1 Antibody (A11179) Images



Western blot analysis of PJA1 in human brain tissue lysate with PJA1 antibody at (A) 0.25 and (B) 0.5 ug/ml.



Immunohistochemistry of PJA1 in mouse brain tissue with PJA1 antibody at 5 ug/ml.



Immunofluorescence of PJA1 in mouse brain tissue with PJA1 antibody at 20 ug/ml.

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Anti-PJA1 Antibody

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