

CRIM1 Rabbit pAb

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Catalog # AP57792

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9JLL0
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114066
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse CRIM1
Epitope Specificity	901-1028/1028
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted and Cell membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CRIM1 interacts with BMP4 (bone morphogenic protein 4) and BMP7 and modulates BMP activity by affecting their processing and delivery to the cell surface. By interacting with growth factors implicated in motor neuron differentiation and survival, it may play a role in CNS development. It may also play a role in capillary formation and maintenance during angiogenesis.

Additional Information

Gene ID	50766
Other Names	Cysteine-rich motor neuron 1 protein, CRIM-1, Crim1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Crim1
Function	May play a role in CNS development by interacting with growth factors

implicated in motor neuron differentiation and survival. May play a role in capillary formation and maintenance during angiogenesis. Modulates BMP activity by affecting its processing and delivery to the cell surface (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein

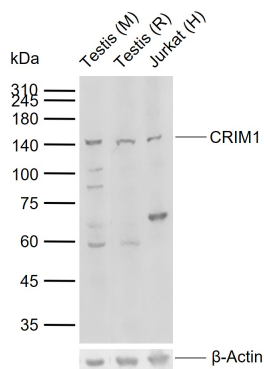
Tissue Location

Expressed during embryonic development in brain, kidney, spinal cord, testis, lens, vibrissae, pinna, tooth primordia and in specific regions of the CNS. Expressed in adult lens. Displays male-specific expression in the fetal gonads with the strongest expression in the Sertoli cells of developing testis

Background

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Images



Sample:

Lane 1: Mouse Testis tissue lysates

Lane 2: Rat Testis tissue lysates

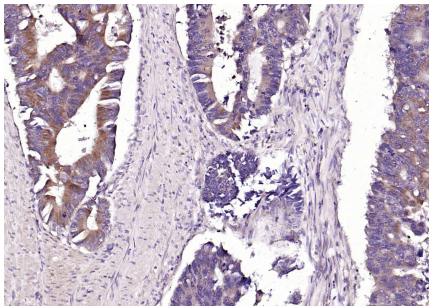
Lane 3: Human Jurkat cell lysates

Primary: Anti-CRIM1 (AP57792) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 110 kDa

Observed band size: 140 kDa



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CRIM1) Polyclonal Antibody, Unconjugated (AP57792) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.