

CSRP2 Rabbit pAb

Catalog # AP99134

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q16527
Other Accession	Q16527
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20954
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CSRP2
Epitope Specificity	101-193/193
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 LIM zinc-binding domains.
SUBUNIT	Interacts with CSRP2BP. The LIM domain 1 is necessary and sufficient for this interaction. Interacts with GLRX3 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CRP2 is a 193 amino acid nuclear protein that belongs to the CRP family of LIM domain proteins. Highly expressed in smooth muscle of aorta, CRP2 is thought to have a role in embryonic vascular system development and is downregulated following cell injury or PDGF-B exposure. CRP2 contains two LIM zinc-binding domains and is encoded by a gene that maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.

Additional Information

Gene ID	1466
Other Names	CSRP2_BOVIN; CSRP2; Cysteine-rich protein 2 (CRP2); CSRP2_HUMAN; LIM domain only protein 5 (LMO-5); Smooth muscle cell LIM protein (SmLIM); LMO5; SMLIM; CSRP2_MOUSE; Double LIM protein 1 (DLP-1); Dlp1; CSRP2_RAT; cysteine and glycine rich protein 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	CSRP2
Synonyms	LMO5, SMLIM
Function	Drastically down-regulated in response to PDGF-BB or cell injury, that promote smooth muscle cell proliferation and dedifferentiation. Seems to play a role in the development of the embryonic vascular system.
Cellular Location	Nucleus.
Tissue Location	Highly expressed in the aorta, but not in heart and skeletal muscle

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