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FEM1A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58534

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9BSK4
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73639

Additional Information

Gene ID	55527
Other Names	Protein fem-1 homolog A, FEM1a, FEM1-alpha, Prostaglandin E receptor 4-associated protein, FEM1A, EPRAP
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	FEM1A {ECO:0000303|PubMed:16254458, ECO:0000312|HGNC:HGNC:16934}
Function	Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:33398168, PubMed:33398170). The C- degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:29779948, PubMed:33398168, PubMed:33398170). The CRL2(FEM1A) complex specifically recognizes proteins with an arginine at the C-terminus: recognizes and binds proteins ending with -Lys/Arg-Xaa-Arg and -Lys/Arg-Xaa-Xaa-Arg C- degrons, such as SIL1 or OR51B2, leading to their ubiquitination and degradation (PubMed:33398168, PubMed:33398170). Promotes ubiquitination and degradation of SLBP (PubMed:28118078). Involved in PGE2-EP4- mediated inhibition of inflammation of macrophages via interaction with NFKB1 and PTGER4 (By similarity). Promotes inflammation in brain microglia through MAP2K4/MKK4-mediated signaling (By similarity).

Cellular Location	Mitochondrion. Cytoplasm
Tissue Location	Present in macrophages derived from peripheral blood monocytes. Also present in atheromata (at protein level)

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