

FEM1A Polyclonal Antibody Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58534

Specification

FEM1A Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW IHC-P, IHC-F, IF, E <u>O9BSK4</u> Rat, Pig, Dog, Bovine Rabbit Polyclonal 73639

FEM1A Polyclonal Antibody - 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~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format 0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

FEM1A Polyclonal Antibody - 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:33398168, PubMed:33398168). 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:33398168, PubMed:29779948, PubMed:29779948, PubMed:29779948, PubMed:33398168, PubMed:<a href="http://www.uniprot.org/citations/33398168" target="_blan



href="http://www.uniprot.org/citations/33398170" target="_blank">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: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)

FEM1A Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

FEM1A Polyclonal Antibody - Images