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FAM120A antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13741

Product Information

Application	WB
Primary Accession	Q9NZB2
Other Accession	NM_014612, NP_055427
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Rat, Rabbit, Pig, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	121888

Additional Information

Gene ID	23196
Alias Symbol	C9orf10, DNAPTP1, DNAPTP5, MGC111527, MGC133257, OSSA
Other Names	Constitutive coactivator of PPAR-gamma-like protein 1, Oxidative stress-associated Src activator, Protein FAM120A, FAM120A, C9orf10, KIAA0183, OSSA
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-FAM120A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	FAM120A antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

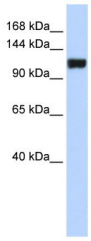
Name	FAM120A
Function	Membrane-associated scaffold protein that participates in multiple cellular processes, including oxidative stress-induced survival signaling, RNA trafficking and translational regulation, and the modulation of membrane signaling through its interaction with RNA- binding proteins and lipid raft-associated domains (PubMed:19015244). Functions as a regulator of activation of several intracellular kinases, including SRC, FAK, and PI3K, following oxidative stress (PubMed:19015244). Promotes RNA splicing and stability of lipogenic enzymes (PubMed:37595559). Mechanistically, recruits the lipogenic transcription factor SREBP1 at active promoters, thereby

	bridging the newly transcribed lipogenic genes from RNA polymerase II to the SRSF1 and U1-70K-containing RNA-splicing machinery (PubMed:37595559). Associates with key proteins of the NLRP3 inflammasome pathway and subsequently inhibits NLRP3 inflammasome activation (PubMed:40250624). Sequesters a subset of AGO2-bound mRNAs from miRNA-mediated silencing by binding to poly(G)-rich motifs in their 3'-UTR independently of the AGO2 binding site, likely by preventing recruitment of miRISC effectors (By similarity).
Cellular Location	Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Translocates from the cytosol to plasma membrane after UV irradiation.
Tissue Location	Widely expressed (PubMed:14585507). In gastric mucosa, detected in the bottom region of the foveolar epithelium (at protein level) (PubMed:19015244).

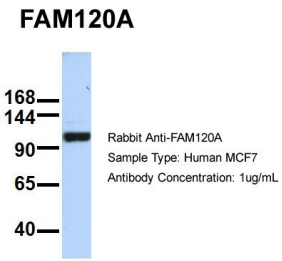
References

Brahmbhatt S.B.,et al.Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.
Humphray S.J.,et al.Nature 429:369-374(2004).
Nagase T.,et al.DNA Res. 3:17-24(1996).
Ohara O.,et al.Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
Holden S.,et al.Gene 318:149-161(2003).

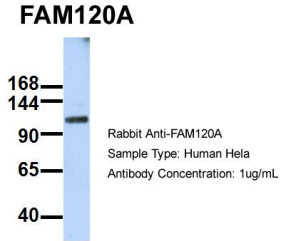
Images



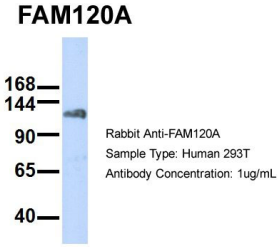
WB Suggested Anti-FAM120A Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: MCF7 cell lysate
.FAM120A is strongly supported by BioGPS gene expression data to be expressed in MCF7



Host: Rabbit
Target Name: FAM120A
Sample Tissue: MCF7
Antibody Dilution: 1.0µg/mlFAM120A is strongly supported by BioGPS gene expression data to be expressed in MCF7



Host: Rabbit
Target Name: FAM120A
Sample Tissue: Hela
Antibody Dilution: 1.0µg/mlFAM120A is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells



Host: Rabbit
Target Name: FAM120A
Sample Tissue: 293T
Antibody Dilution: 1.0µg/ml

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