

## Product datasheet for **TA306826**

### **FAM120A Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	FAM120A antibody was raised against an 18 amino acid peptide from near the center of human FAM120A.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	family with sequence similarity 120A
Database Link:	<a href="#">NP_055427</a> <a href="#">Entrez Gene 218236 Mouse</a> <a href="#">Entrez Gene 291019 Rat</a> <a href="#">Entrez Gene 23196 Human</a> <a href="#">Q9NZB2</a>

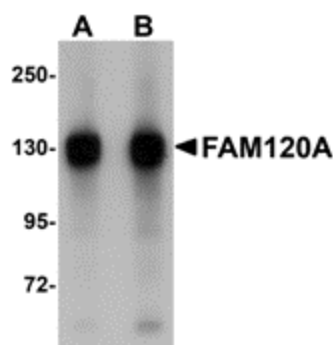
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**Background:**

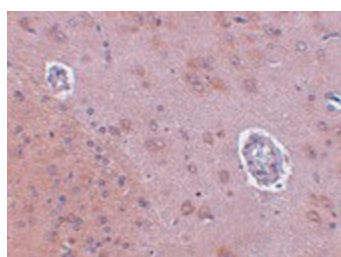
FAM120A (C9orf10) is a member of the constitutive coactivator of PPAR gamma family and the gene was mapped to chromosome 9q22.31. FAM120A was recently detected within the Pur-alpha-containing mRNA-protein complex in the brain. As a novel RNA-binding protein, FAM120A is a critical component of the oxidative stress-induced survival signaling. It may participate in mRNA transport in the cytoplasm. FAM120A activates src family kinases and acts as a scaffolding protein enabling src family kinases to phosphorylate and activate PI3-kinase. FAM120A protects cells from apoptosis through activation of SRKs in response to oxidative stress. Blocking of the survival signaling mediated by FAM120A, which sensitizes the cancer cells to stress-induced apoptosis, may be a novel therapeutic approach for gastric scirrhus carcinoma cells. This antibody will not cross-react with FAM120B / PGCC1.

**Synonyms:**

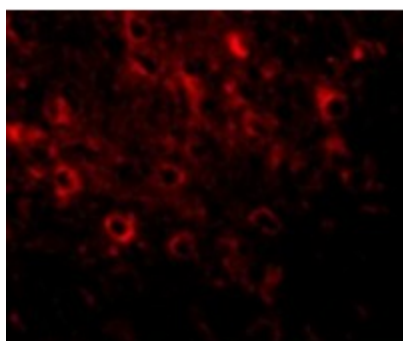
C9orf10; OSSA

**Product images:**


Western blot analysis of FAM120A in SK-N-SH cell lysate with FAM120A antibody at (A) 0.5 and (B) 1 ug/ml.



Immunohistochemistry of FAM120A in rat brain tissue with FAM120A antibody at 2.5 ug/ml.



Immunofluorescence of FAM120A in Rat Brain cells with FAM120A antibody at 20 ug/mL.