

## anti- STOML2 antibody

### Product Information

Catalog No.:	FNab08347
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	5D10
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Mitochondrial protein that probably regulates the biogenesis and the activity of mitochondria. Stimulates cardiolipin biosynthesis, binds cardiolipin-enriched membranes where it recruits and stabilizes some proteins including prohibitin and may therefore act in the organization of functional microdomains in mitochondrial membranes. Through regulation of the mitochondrial function may play a role into several biological processes including cell migration, cell proliferation, T-cell activation, calcium homeostasis and cellular response to stress. May play a role in calcium homeostasis through negative regulation of calcium efflux from mitochondria. Required for mitochondrial hyperfusion a pro-survival cellular response to stress which results in increased ATP production by mitochondria. May also regulate the organization of functional domains at the plasma membrane and play a role in T-cell activation through association with the T-cell receptor signaling complex and its regulation.

### Immunogen information

Immunogen:	stomatin(EPB72)-like 2
Synonyms:	EPB72 like protein 2, HSPC108, SLP 2, SLP2, stomatin (EPB72) like 2, Stomatin like protein 2, STOML2
Observed MW:	39 kDa
UniprotID :	Q9UJZ1

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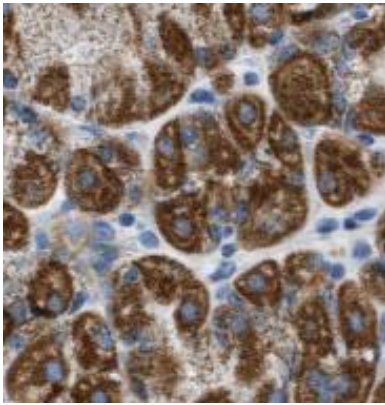
## Application

Reactivity: Human, Mouse, Rat

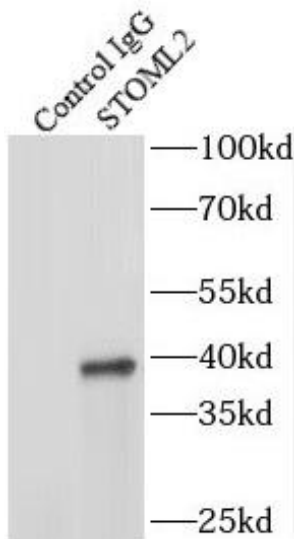
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:2000-1:10000; IP: 1:500-1:1000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human stomach cancer tissue slide using FNab08347(STOML2 Antibody) at dilution of 1:400 heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



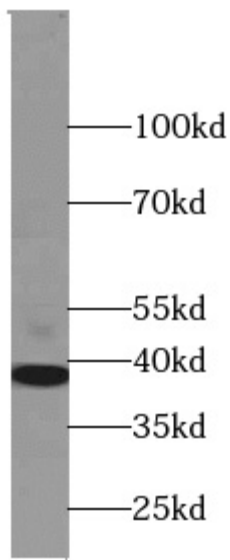
IP Result of anti-STOML2 (IP:FNab08347, 4ug; Detection:FNab08347 1:1000) with mouse brain tissue lysate 4000ug.

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HepG2 cells were subjected to SDS PAGE followed by western blot with FNab08347(STOML2 antibody) at dilution of 1:1000