

HSPA9 antibody

Product Information

Catalog No.:	FNab03661
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

GRP75(also known as mortalin, HSPA9 or mt-Hsp70) is a constitutively expressed member of the HSPA(HSP70) family of heat-shock proteins. It is located in the mitochondrial matrix and anti-GRP75 is commonly used as the marker for mitochondria. It has been reported that GRP75 is enriched in cancer cells and contributes to carcinogenesis. In addition, decreased expression level of GRP75 has been found in neurodegenerative disorders like Parkinson's disease.

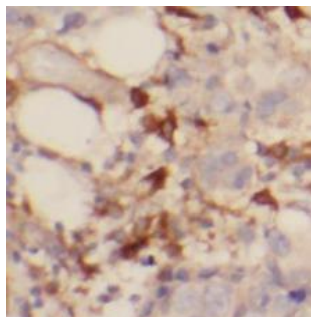
Immunogen information

Immunogen:	heat shock 70kDa protein 9(mortalin)
Synonyms:	Stress-70 protein, mitochondrial 75 kDa glucose-regulated protein (GRP-75) Heat shock 70 kDa protein 9 Mortalin (MOT) Peptide-binding protein 74 (PBP74) HSPA9 GRP75 HSPA9B mt-HSP70
Observed MW:	74 kDa
Uniprot ID :	P38646

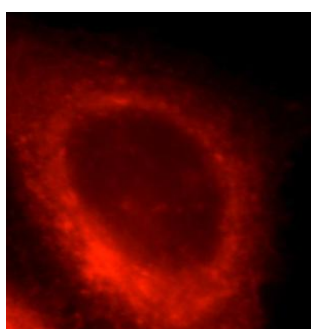
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF, FC, IP
Recommended dilution:	WB: 1:1000-1:4000; IP: 1:1000-1:4000; IHC: 1:20-1:200; IF: 1:10-1:100

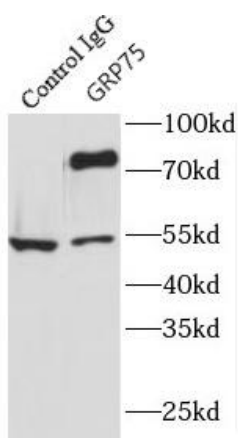
Image:



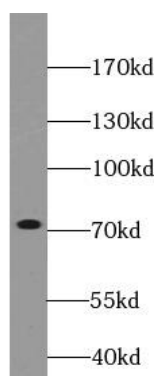
Immunohistochemistry of paraffin-embedded human breast cancer using FNab03661(GRP75 antibody) at dilution of 1:100



Immunofluorescent analysis of HepG2 cells using FNab03661 (GRP75 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG



IP Result of anti-GRP75 (IP:FNab03661, 4ug; Detection:FNab03661 1:2000) with mouse brain tissue lysate 3680ug.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with FNab03661(GRP75 antibody) at dilution of 1:2000