

HSPA1A antibody

Product Information

Catalog No.:	FNab04050
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	1C1
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

HSPA1A, collectively known as HSP70(also referred to HSP72), is a stress-inducible member of heat-shock protein 70(HSP70) proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. Encoded by two closely linked, intronless and stress-inducible genes, HSPA1A and HSPA1B differ by only two amino acids and are believed to be fully interchangeable proteins. HSPA1A is a cytosol/nuclear protein able to translocate between cytoplasm and nucleus. Generally, HSPA1A is thought to be expressed in unstressed normal cells at low or undetectable levels. Expression of HSPA1A protein can be highly activated by various stressful stimuli. Significant up-regulation of HSPA1A has been found in various tumors. Recently it has been reported that HSPA1A can be constitutively expressed in selected cell types. HSP70 is a useful marker for exosome. This antibody well recognized the endogenous HSP70 protein in multiple cell lines.(21373891)

Immunogen information

Immunogen:	heat shock 70kDa protein 1A
Synonyms:	Heat shock 70 kDa protein 1A Heat shock 70 kDa protein 1 (HSP70-1, HSP70.1) HSPA1A HSP72 HSPA1 HSX70
Observed MW:	66-70 kDa
Uniprot ID :	P0DMV8

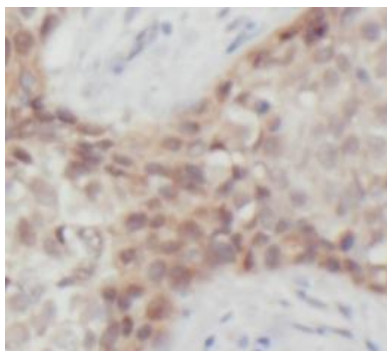
Application

Reactivity: Human, Mouse, Rat

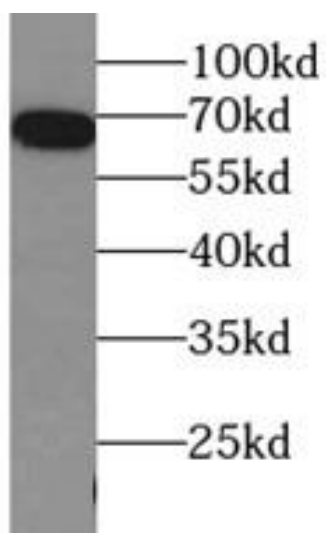
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:2000-1:40000 IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using FNab04050(HSP70 Antibody) at dilution of 1:20



HeLa cells were subjected to SDS PAGE followed by western blot with FNab04050(HSP70 Antibody) at dilution of 1:10000