

Nur für Forschungszwecke

HSP70 Rekombinanter Antikörper

Katalog-Nr.:80735-1-RR



Allgemeine Informationen

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|---|---|--|
| Katalog-Nr.: 80735-1-RR | GenBank-Zugangsnummer: BC009322 | Reinigungsmethode: Protein-A-Reinigung |
| Größe: 100ul, Konzentration: 500 µg/ml von Nanodrop; | GeneID (NCBI): 3303 | CloneNo.: 4E10 |
| Wirt: Kaninchen | Vollständiger Name: heat shock 70kDa protein 1A | Empfohlene Verdünnungen: WB 1:5000-1:20000 IHC 1:50-1:500 IF 1:200-1:800 |
| Isotyp: IgG | Berechnete Masse: 70 kDa | |
| Immunogen Katalognummer: AG1446 | Beobachtete Masse: 70 kDa | |

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB, ELISA

Getestete Reaktivität:
Hefe, Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HEK-293-Zellen, C6-Zellen, HeLa-Zellen, K-562-Zellen, NIH/3T3-Zellen

IHC: humanes Mammakarzinomgewebe, humanes Leberkarzinomgewebe

IF: HeLa-Zellen,

Hintergrundinformationen

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 also used as exosomal marker

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern.

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

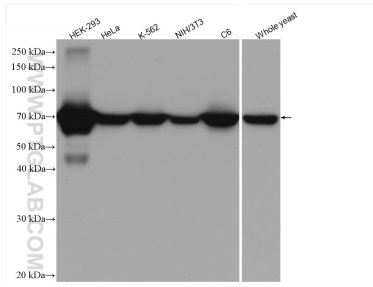
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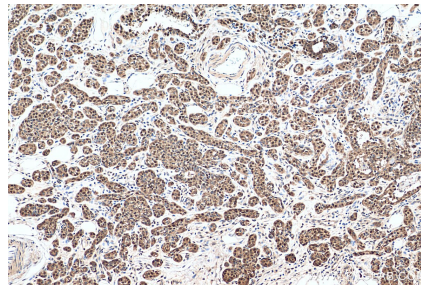
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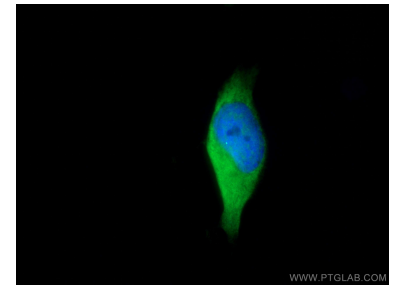
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 80735-1-RR (HSP70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80735-1-RR (HSP70 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using HSP70 antibody (80735-1-RR, Clone: 4E10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).