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## Overview

Quantity:	100 μg
Target:	HSPA4
Reactivity:	Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPA4 antibody is conjugated to FITC
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

### **Product Details**

Immunogen:	Synthetic peptide derived from the sequence of hamster HSP110, sequence identical to human and mouse
Specificity:	Detects ~110 kDa.
Cross-Reactivity:	Cow, Hamster, Human, Monkey, Mouse, Rat, Saccharomyces cerevisiae, Shark, Sheep
Purification:	Protein A Purified

## **Target Details**

Target:	HSPA4
Alternative Name:	HSP110 (HSPA4 Products)
Background:	HSP110 belongs to a family of large stress proteins known as the HSP110/SSE Family. The
	proteins in this family are the most distantly known relatives of the well studied HSP70 family.

in heat shock protein-based cancer immunotherapy (4).
increase in the chaperone activity of HSP70 (3). Studies also suggest that HSP110 can be used
protective effects of HSP110 deficiency in cerebral ischemia may partly be mediated by an
and HSP110 are elevated after cerebral ischemia. Recent studies demonstrate that the
HSP110 is constitutively expressed, but exhibits particularly high levels in the brain. Both HSP70
HSP110 cooperates with HSP70 in protein folding in the eukaryotic cytosol (2). In mammals,
They share 30-33 % amino acid identity, mostly in the conserved ATP-binding domain (1).

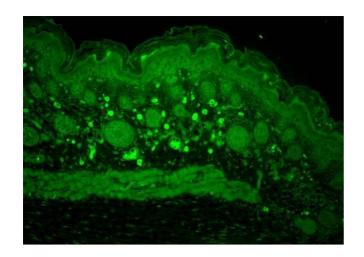
Gene ID:	10808
NCBI Accession:	NP_006635
UniProt:	Q92599

# **Application Details**

Application Notes:	<ul> <li>WB (1:1000)</li> <li>IHC (1:100)</li> <li>optimal dilutions for assays should be determined by the user.</li> </ul>
Comment:	$1  \mu g/ml$ of ABIN2481915 was sufficient for detection of HSP110 in 10 $\mu g$ of human cell line mixed lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

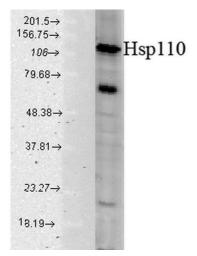
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.2, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry analysis using Rabbit Anti-HSP110 Polyclonal Antibody . Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative Solution. Primary Antibody: Rabbit Anti-HSP110 Polyclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:50 for 1 hour at RT. Localization: Positive epidermal, dermal and muscle staining.



#### **Western Blotting**

Image 2. Western blot analysis of Human Cell line lysates showing detection of HSP110 protein using Rabbit Anti-HSP110 Polyclonal Antibody . Load: 15 μg protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-HSP110 Polyclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.