

## Product datasheet

# Anti-Hsp60 antibody ab31115

★★★★★ 1 Abreviews 5 References 3 图像

### 概述

产品名称	Anti-Hsp60抗体
描述	兔多克隆抗体to Hsp60
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Cow, Human 预测可用于: Mouse, Rat, Chicken, Pufferfish, Zebrafish, Sea urchin, Chinese hamster
免疫原	Synthetic peptide corresponding to Hsp60.
阳性对照	Hela cells, NIH3T3 cells, Colon carcinoma.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, 10mM PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab31115** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★★	Use at an assay dependent concentration. Predicted molecular weight: 60 kDa.
IHC-P		1/200.

## 靶标

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### 功能

Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix.

### 疾病相关

Defects in HSPD1 are a cause of spastic paraplegia autosomal dominant type 13 (SPG13) [MIM:605280]. Spastic paraplegia is a degenerative spinal cord disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs.

Defects in HSPD1 are the cause of leukodystrophy hypomyelinating type 4 (HLD4) [MIM:612233]; also called mitochondrial HSP60 chaperonopathy or MitCHAP-60 disease. HLD4 is a severe autosomal recessive hypomyelinating leukodystrophy. Clinically characterized by infantile-onset rotary nystagmus, progressive spastic paraplegia, neurologic regression, motor impairment, profound mental retardation. Death usually occurs within the first two decades of life.

### 序列相似性

Belongs to the chaperonin (HSP60) family.

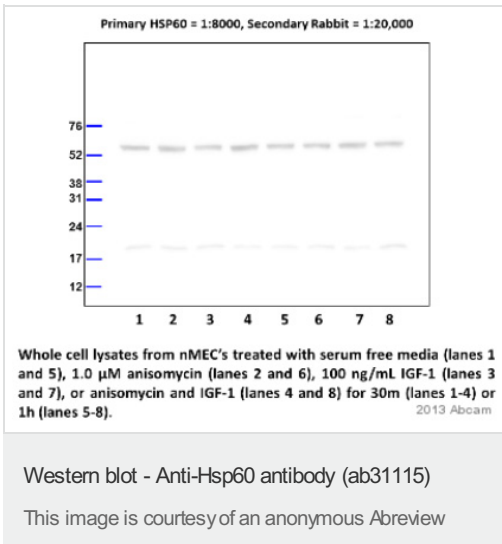
### 细胞定位

Mitochondrion matrix.

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## 图片

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**All lanes** : Anti-Hsp60 antibody (ab31115) at 1/8000 dilution

**Lanes 1 & 5** : Cow normal mammary epithelial cells (nMEC) treated with serum free media

**Lanes 2 & 6** : Cow normal mammary epithelial cells (nMEC) treated with 1.0 $\mu$ M anisomycin

**Lanes 3 & 7** : Cow normal mammary epithelial cells (nMEC) treated with 100ng/ml IGF-1

**Lanes 4 & 8** : Cow normal mammary epithelial cells (nMEC) treated with anisomycin and IGF-1

Lysates/proteins at 40  $\mu$ g per lane.

### Secondary

**All lanes** : ECL Anti-Rabbit IgG, Horseradish Peroxidase Linked at 1/20000 dilution

Developed using the ECL technique.

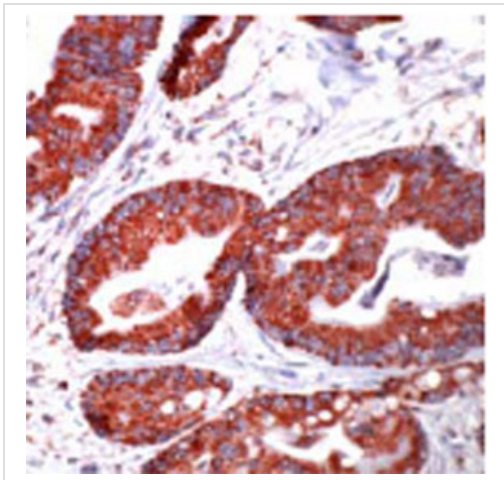
Performed under reducing conditions.

**Predicted band size:** 60 kDa

**Observed band size:** 60 kDa

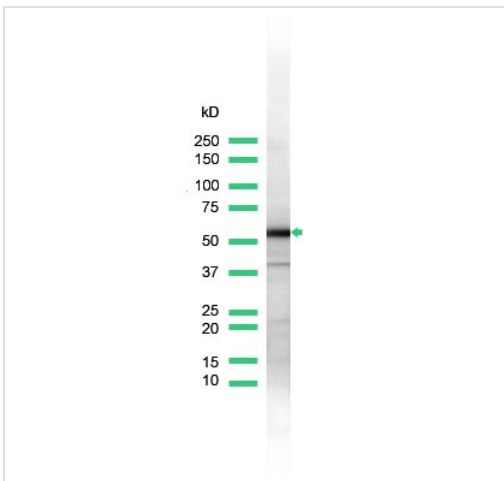
**Exposure time:** 15 seconds

Treatment for 30 minutes (lanes 1-4) or 1 hour (lanes 5-8). 12.5% SDS-PAGE. Proteins collected in RIPA Buffer and transferred to PVDF (0.45  $\mu$ m).



Ab31115, at a 1/200 dilution, staining Hsp60 in formalin fixed, paraffin embedded human colon carcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp60 antibody (ab31115)



Anti-Hsp60 antibody (ab31115) at 1/25 dilution + lysate prepared from HeLa cells

**Predicted band size: 60 kDa**

Western blot - Anti-Hsp60 antibody (ab31115)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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