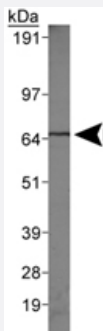


# HSPA5 polyclonal antibody

Catalog # PAB12413      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HSPA5 on HeLa whole cell extracts using HSPA5 polyclonal antibody (Cat # PAB12413).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of HSPA5.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 250-300 of human HSPA5.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Bovine, Chicken, Fruit fly, Human, Mouse, Nematoda, Primates, Rat, Sheep, Zebra fish
<b>Form</b>	Liquid
<b>Purification</b>	Immunogen affinity purification
<b>Recommend Usage</b>	Western Blot (0.5 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of HSPA5 on HeLa whole cell extracts using HSPA5 polyclonal antibody (Cat # PAB12413).

## Gene Info — HSPA5

Entrez GeneID [3309](#)

Protein Accession# [P11021](#)

Gene Name HSPA5

Gene Alias BIP, FLJ26106, GRP78, MIF2

Gene Description heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)

Omim ID [138120](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins (GRPs), is markedly increased. Hendershot et al. (1994) [PubMed 80 20977] pointed out that one of these, GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). Because so many ER proteins interact transiently with GRP78, it may play a key role in monitoring protein transport through the cell.[supplied by OMIM]

**Other Designations** Heat-shock 70kD protein-5 (glucose-regulated protein, 78kD)|OTTHUMP00000022124|heat shock 70kD protein 5 (glucose-regulated protein, 78kD)|heat shock 70kDa protein 5

## Publication Reference

- [Glucose-regulated protein 78 regulates multiple malignant phenotypes in head and neck cancer and may serve as a molecular target of therapeutic intervention.](#)

Chiu CC, Lin CY, Lee LY, Chen YJ, Kuo TF, Chang JT, Liao CT, Wang HM, Yen TC, Shen CR, Liao SK, Cheng AJ.

Molecular Cancer Therapeutics 2008 Sep; 7(9):2788.

Application: IF, IHC-P, WB, Human, Head and neck cancer, normal keratinocytes, BM1, BM2, 076, Fadu, Detroit, OECM1 cells, Mouse xenograft tumors

## Pathway

- [Antigen processing and presentation](#)
- [Prion diseases](#)

## Disease

- [Alzheimer disease](#)
- [Bipolar Disorder](#)
- [Carcinoma](#)
- [Cognition](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Infection](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Parkinson disease](#)
- [Schizophrenia](#)
- [Stress](#)