

Anti-HSPA4 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

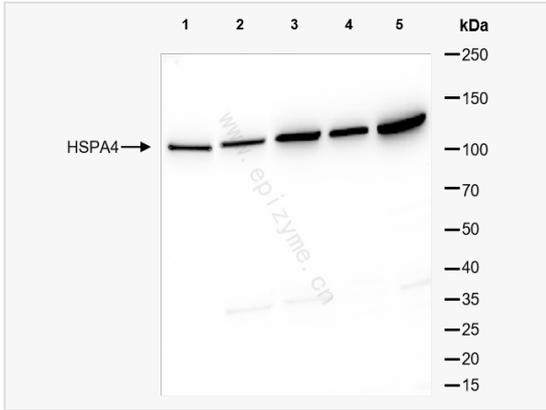
Catalog # R013873

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	27E01L62
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human HSPA4
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-HSPA4 Rabbit mAb [27E01L62] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HSPA4, APG-2, APG2, Heat shock 70kD protein 4, Hsp70RY, HSPH2, Hsp70, HS24/P52, Heat shock 70kDa protein 4, Heat shock protein 110 kDa.
Calculated MW	Calculated MW: 94 kDa; Observed MW: 110 kDa
Uniprot ID	P34932
Background	The heat shock protein HSPA4 (Apg-2, HSP70RY) is a member of the heat-shock protein 110 (Hsp 110) subfamily of Hsp70 heat-shock proteins. Apg-2 has chaperone ability similar to Hsp110, and it plays a role under non-stress conditions. Apg-2 interacts with TJP1/ZO-1 and functions as a regulator of ZO-1-ZONAB signaling in epithelial cells in response to cellular stress.



Western Blot - Anti-HSPA4 Rabbit mAb [27E01L62]

All lanes: R013873 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Rat brain whole tissue lysates

Lane 3: Balb/c Mouse intestines whole tissue lysates

Lane 4: Balb/c Mouse kidney whole tissue lysates

Lane 5: Balb/c Mouse muscle whole tissue lysates

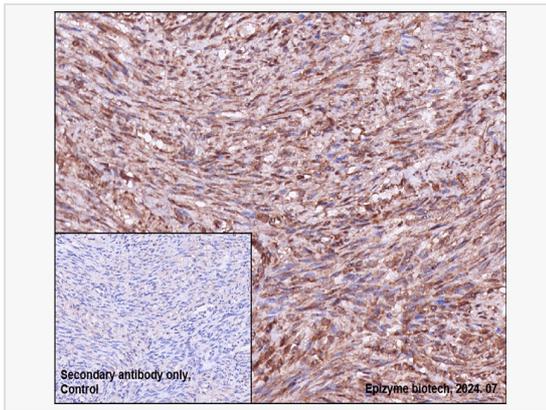
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 94 kDa

Observed band size: 110 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-HSPA4 Rabbit mAb [27E01L62]

Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013873 at 1:200 dilution

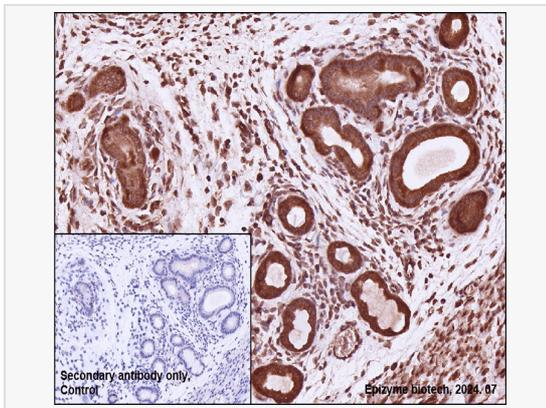
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-HSPA4 Rabbit mAb [27E01L62]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse ovary tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013873 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.