DATASHEET

HERC6 Rabbit Polyclonal Antibody

CAT. NO. ARA5824

KEY FEATURES

Target	HERC6	**Source/Host**	Rabbit
Reactivity	Human, Mouse, Rat	**Clonality**	Polyclonal
Applications	WB,IHC,IF/ICC	**Conjugation**	Unconjugated
Isotype	IgG	**Storage**	at -20°C

BACKGROUND

HERC6 (HECT and RLD domain containing E3 ubiquitin protein ligase family member 6) belongs to the HERC family of ubiquitin ligases, all of which contain a C-terminal HECT domain and at least one N-terminal RCC1-like domain (RLD). The HECT domain is predicted to catalyze the formation of a thioester with ubiquitin before transferring it to a substrate, and the RLD is predicted to act as a guanine nucleotide exchange factor for small G proteins. HERC6 is the major E3 ligase for ISG15 conjugation (ISGylation); it is interferon-inducible and acts as a positive regulator of the innate antiviral response. The protein localizes to the cytoplasm and cytosol, and is detected in brain, heart, placenta and testis.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:100 - 1:500
IF/ICC	1:100 - 1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	HERC6 Rabbit Polyclonal Antibody for WB, IHC, IF
Specificity	Reacts with HERC6 in WB, IHC and IF applications. Shows reactivity with human, mouse and rat samples.
Immunogen	Synthetic peptide within human HERC6 amino acids 751-850 (total length 1,022 aa), conjugated to KLH.
Molecular Weight	Predicted: 115 kDa; Observed: 135 kDa
Purification	Protein A affinity purified.
Isotype	IgG
Form/Buffer	Liquid in 0.01M TBS (pH 7.4) with 1% BSA, 0.03% Proclin300 and 50% glycerol.
Subcellular Location	Cytoplasm, cytosol.
Alternative Names	HECT and RLD domain-containing E3 ubiquitin protein ligase 6, HECT domain and RCC1-like domain-containing protein 6, FLJ20637, HERC6
Gene Symbol	HERC6
Entrez Gene	55008
SwissProt	Q8IVU3

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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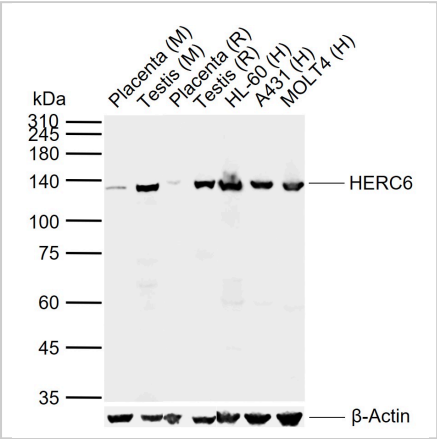
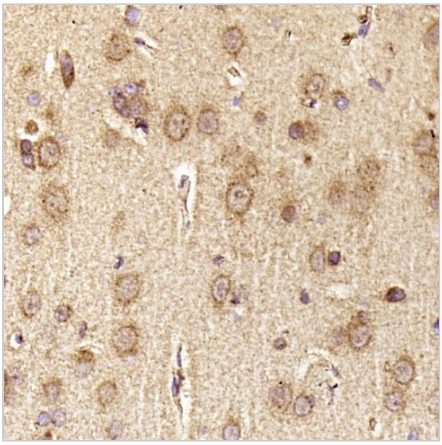
DATA



Western blot analysis of HERC6 on different lysates with HERC6 Rabbit Polyclonal Antibody at 1/1,000 dilution. Lane 1: Mouse placenta tissue lysate; Lane 2: Mouse testis tissue lysate; Lane 3: Rat placenta tissue lysate; Lane 4: Rat testis tissue lysate; Lane 5: Human HL-60 cell lysate; Lane 6: Human A431 cell lysate; Lane 7: Human MOLT4 cell lysate. The blot was probed with IRDye800CW goat anti-rabbit IgG secondary antibody at 1/20,000 dilution. Predicted band size: 115 kDa; observed band size: 135 kDa.



Immunohistochemical analysis of paraformaldehyde-fixed, paraffin-embedded rat brain tissue with HERC6 Rabbit Polyclonal Antibody at 1:400 dilution overnight at 4°C, followed by detection with a rabbit SP kit and DAB staining. Antigen retrieval was performed by boiling in sodium citrate buffer (pH 6.0) for 15 minutes, endogenous peroxidase was blocked with 3% hydrogen peroxide for 20 minutes, and sections were blocked with normal goat serum at 37°C for 30 minutes.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com