

KLHDC10 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56390**Specification****KLHDC10 Polyclonal Antibody - Product Information**

| | |
|-------------------|------------------------------|
| Application | WB, IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | Q6PID8 |
| Reactivity | Rat, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 49098 |

KLHDC10 Polyclonal Antibody - Additional Information**Gene ID** 23008**Other Names**

Kelch domain-containing protein 10, KLHDC10, KIAA0265

Dilution

WB~1:1000
IHC-P~N/A
IHC-F~N/A
IF~1:50~200
ICC~N/A
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

KLHDC10 Polyclonal Antibody - Protein Information**Name** KLHDC10 {ECO:0000303|PubMed:23102700, ECO:0000312|HGNC:HGNC:22194}**Function**

Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C- terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:33909987). The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:29779948, PubMed:33909987).

PubMed:39548056). The CRL2(KLHDC10) complex specifically recognizes proteins with a proline-glycine (Pro-Gly) or an alanine tail (CAT tail) at the C-terminus, leading to their ubiquitination and degradation (PubMed:297779948, PubMed:33909987). The CRL2(KLHDC10) complex is involved in the ribosome-associated quality control (RQC) pathway, which mediates the extraction of incompletely synthesized nascent chains from stalled ribosomes: CRL2(KLHDC10) acts downstream of NEMF and recognizes CAT tails associated with stalled nascent chains, leading to their ubiquitination and degradation (PubMed:33909987). Participates in the oxidative stress-induced cell death through MAP3K5 activation (PubMed:23102700). Inhibits PPP5C phosphatase activity on MAP3K5 (PubMed:23102700). Acts as a regulator of necroptosis (By similarity).

Cellular Location

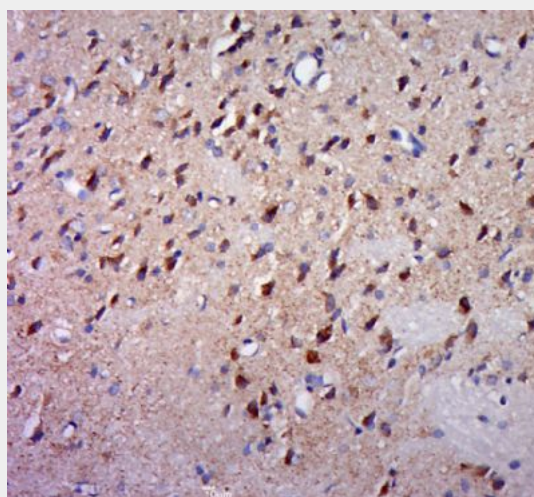
Nucleus. Cytoplasm

KLHDC10 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

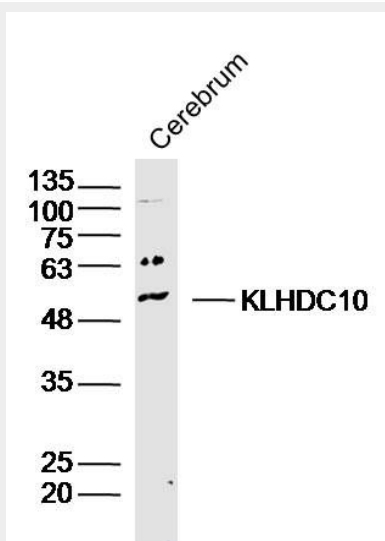
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KLHDC10 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLHDC10) Polyclonal Antibody, Unconjugated (bs-16757R) at 1:400 overnight at 4°C, followed by

a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Sample: Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-KLHDC10(bs-16757R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 49 kD
Observed band size: 52 kD

KLHDC10 Polyclonal Antibody - Citations

- [NEMF-mediated Listerin-independent mitochondrial translational surveillance by E3 ligase Pirh2 and mitochondrial protease ClpXP](#)