bs-9628R **[Primary Antibody]**

KLHL36 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 79786 **SWISS:** Q8N4N3

Target: KLHL36

Immunogen: KLH conjugated synthetic peptide derived from human KLHL36/C16orf44: 51-150/616.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: C16orf44 is a 616 amino acid protein that contains six Kelch repeats, one BTB/POZ domain and one BTB/Kelch associated (BACK) domain. C16orf44 is believed to play a role in protein ubiquitination and may function as a substrate-specific adapter of an E3 ubiquitin-protein ligase complex. E3 ligases accept a ubiquitin residue from an E2 ubiquitin-conjugating enzyme and immediately transfer that residue to a protein that is targeted for degradation. Specifically, C16orf44 interacts with CUL-3, a member of the cullin family of mediators that participate in the selective targeting of proteins for ubiquitin-mediated proteolysis. Due to alternative splicing events, two isoforms of C16orf44 are expressed.

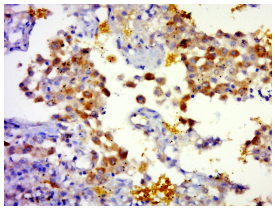
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human (predicted: Mouse, Rat, Sheep, Cow, Dog, Horse)

Predicted MW.: 70 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human lung cancer); 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 (KLHL) Polyclonal Antibody, Unconjugated (bs-9628R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=8.886]** Hengzhi Du. et al. MiR-320a induces pancreatic β cells dysfunction in diabetes by inhibiting MafF. Mol Ther-Nucl Acids. 2021 Aug;: IF ;Rat, Human. 10.1016/j.omtn.2021.08.027