

ULK3 Rabbit mAb

Catalog No: #52641



Package Size: #52641-1 50ul #52641-2 100ul

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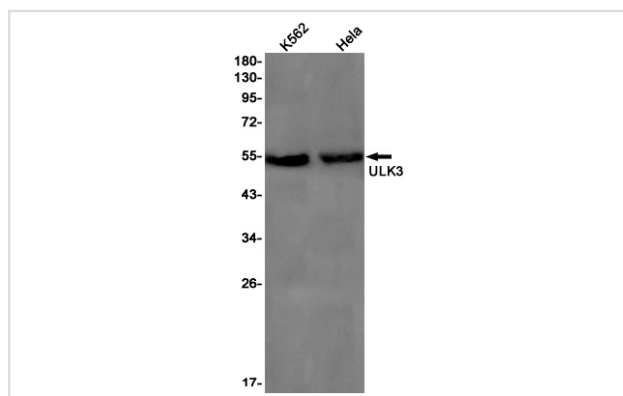
Description

| | |
|-----------------------|--|
| Product Name | ULK3 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | S08-7J3 |
| Isotype | Rabbit IgG |
| Purification | Affinity Purified |
| Applications | WB |
| Species Reactivity | Human |
| Immunogen Description | A synthetic peptide of human ULK3 |
| Conjugates | Unconjugated |
| Modification | Unmodification |
| Other Names | Serine/threonine-protein kinase ULK3; Ulk3; unc 51 like kinase 3 (C. elegans); Unc-51-like kinase 3; |
| Accession No. | Swiss-Prot:Q6PHR2GeneID:25989 |
| Calculated MW | Calculated MW: 53 kDa; Observed MW: 53 kDa |
| Formulation | 50nM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

Application Details

WB: 1/1000-1/5000;

Images



Western blot detection of ULK3 in K562, HeLa cell lysates using ULK3 Rabbit mAb (1:1000 diluted). Predicted band size: 53 kDa. Observed band size: 53 kDa.

Background

Swiss-Prot Acc. Q6PHR2. Serine/threonine protein kinase that acts as a regulator of Sonic hedgehog (SHH) signaling and autophagy. Acts as a negative regulator of SHH signaling in the absence of SHH ligand: interacts with SUFU, thereby inactivating the protein kinase activity and preventing phosphorylation of GLI proteins (GLI1, GLI2 and/or GLI3). Positively regulates SHH signaling in the presence of SHH: dissociates from SUFU,

autophosphorylates and mediates phosphorylation of GLI2, activating it and promoting its nuclear translocation. Phosphorylates in vitro GLI2, as well as GLI1 and GLI3, although less efficiently. Also acts as a regulator of autophagy: following cellular senescence, able to induce autophagy.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.