

Recombinant

DGRmAb®

ULK3 (DGR14615) Rabbit mAb

db11725

Package : 10µL 20µL 50µL 100µL

Product Name : ULK3 (DGR14615) Rabbit mAb**Cat.No.:** db11725**Synonyms** : Unc-51-like kinase 3**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human**Host species** : Rabbit**Background**

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.

Immunogen

A synthetic peptide of human ULK3

Gene ID

25989

Swiss Prot

Q6PHR2

Synonyms

Unc-51-like kinase 3

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:50-1:100

ICC/IF: 1:100-1:200

FC: 1:10-1:100

Calculated MW

53 kDa

Observed MW

53 kDa

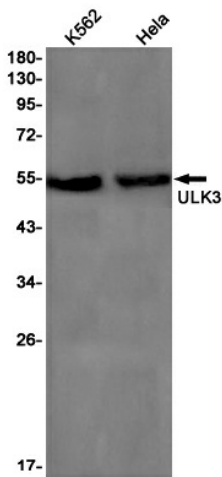
Host species

Rabbit

Clonality

Monoclonal

Clonality No.	DGR14615
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of ULK3 in K562,HeLa cell lysates using ULK3 antibody(1:1000 diluted).