

Recombinant

DGRmAb®

## ULK3 (DGR14615) Rabbit mAb (PBS Only)

db11725-PBS

Package : 100µg

**Product Name** : ULK3 (DGR14615) Rabbit mAb (PBS Only)**Cat.No.:** db11725-PBS**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

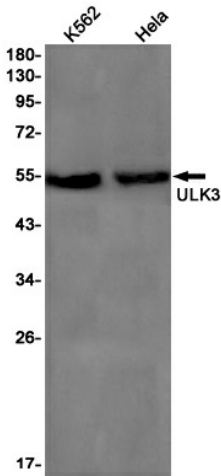
**Host species**

Rabbit

**Clonality**

Monoclonal

|                   |                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality No.     | DGR14615                                                                                                                                                  |
| Isotype           | IgG                                                                                                                                                       |
| Purity            | Affinity Purification                                                                                                                                     |
| Conjugation       | Un-conjugated                                                                                                                                             |
| Concentration     | 1 mg/ml                                                                                                                                                   |
| Formulation       | PBS Only                                                                                                                                                  |
| Storage Stability | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt. |



Western blot detection of ULK3 in K562,HeLa cell lysates using [db11725](#)(1:1000 diluted).