

## Product datasheet for **TA326685**

### ULK3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	ULK3 antibody was raised against a 19 amino acid peptide near the center of human ULK3.
Formulation:	ULK3 antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	ULK3 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 52 kDa; Observed: 52 kDa
Gene Name:	unc-51 like kinase 3
Database Link:	<a href="#">NP_001092906</a> <a href="#">Entrez Gene 25989 Human</a> <a href="#">Q6PHR2</a>
Background:	ULK3 belongs to the Ser/Thr protein kinase superfamily and plays a role in the ATP-dependent phosphorylation of target proteins (1). Knockout of ULK genes results in a severe defect in the autophagy pathway (2). ULK3, like the other Unc-51-like kinases such as ULK1, ULK2 and ULK4, is highly conserved among eukaryotes (3). ULK3 has been shown to be a positive regulator of the Hedgehog signaling pathway by enhancing GLI1 and GLI2 transcriptional activity (4). Furthermore, ULK3 can also interact with SUFU, a protein required for the negative regulation of GLI proteins; this interaction blocks the autophosphorylation of ULK3 and blocks its ability to regulate the GLI proteins (5).
Synonyms:	DKFZp434C131; FLJ90566

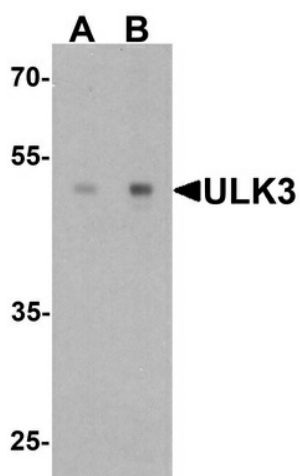


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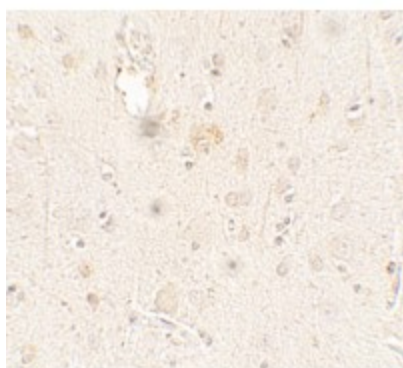
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: mTOR signaling pathway, Regulation of autophagy

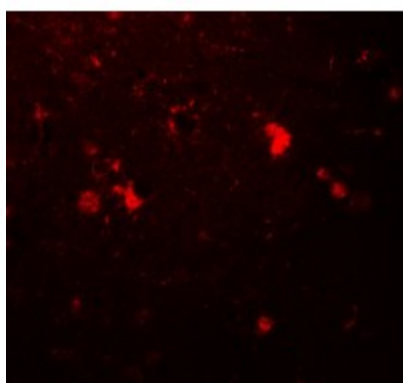
### Product images:



Western blot analysis of ULK3 in human brain tissue lysate with ULK3 antibody at (A) 0.5 and (B) 1 ug/ml.



Immunohistochemistry of ULK3 in human brain tissue with ULK3 antibody at 5 ug/mL.



Immunofluorescence of ULK3 in human brain tissue with ULK3 antibody at 20 ug/mL.