

Product datasheet for **TA326686**

ULK4 Rabbit Polyclonal Antibody

Product data:

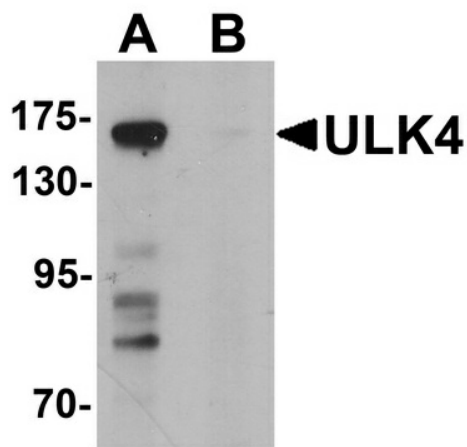
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	ULK4 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human ULK4.
Formulation:	ULK4 antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	ULK4 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: 140 kDa; Observed: 165 kDa
Gene Name:	unc-51 like kinase 4
Database Link:	NP_060356 Entrez Gene 209012 Mouse Entrez Gene 54986 Human Q96C45
Background:	ULK4 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). ULK4, like the other Unc-51-like kinases such as ULK1, ULK2 and ULK3, is highly conserved among eukaryotes (3). ULK4 has been implicated as a gene involved in the development of hydrocephalus (3). This neurologic disorder is being used in animal models to elucidate factors responsible for the excessive accumulation of cerebrospinal fluid in hydrocephalic humans (4).
Synonyms:	FAM7C1; REC01035



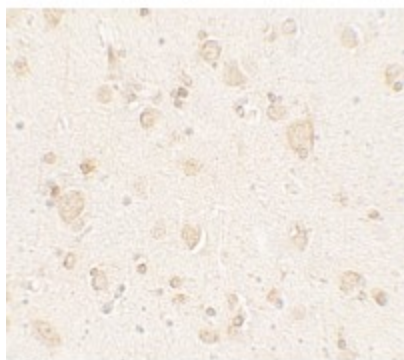
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Protein Families: Druggable Genome, Protein Kinase

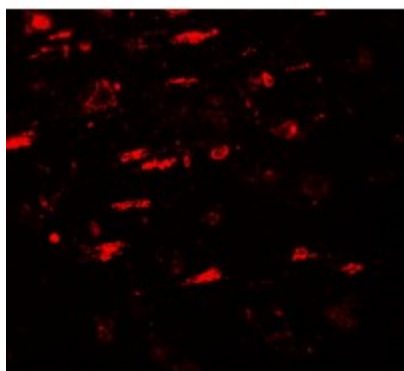
Product images:



Western blot analysis of ULK4 in 3T3 cell lysate with ULK4 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ULK4 in human brain tissue with ULK4 antibody at 5 ug/mL.



Immunofluorescence of ULK4 in human brain tissue with ULK4 antibody at 20 ug/mL.