

Product datasheet for **TA334725**

Kinesin Heavy Chain 2 (KIF2A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-KIF2A antibody: synthetic peptide directed towards the C terminal of human KIF2A. Synthetic peptide located within the following region: ETQWGVGSSPQRDDLKLLCEQNEEEEVSPQLFTFHEAVSQMVEMEEQVVED
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	80 kDa
Gene Name:	kinesin heavy chain member 2A
Database Link:	NP_004511 Entrez Gene 3796 Human O00139



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Background:

KIF2A belongs to the kinesin-like protein family, MCAK/KIF2 subfamily. It contains 1 kinesin-motor domain. KIF2A plus end-directed microtubule-dependent motor required for normal brain development. It may regulate microtubule dynamics during axonal growth. KIF2A is implicated in formation of bipolar mitotic spindles. It has microtubule depolymerization activity. HeLa cells lacking KIF2A show asymmetric or monopolar mitotic spindles. Osteosarcoma cells (U2OS) lacking KIF2A or KIF2B show disorganized or monopolar mitotic spindles. Kinesins, such as KIF2, are microtubule-associated motor proteins. For background information on kinesins, see MIM 148760. [supplied by OMIM]

Synonyms:

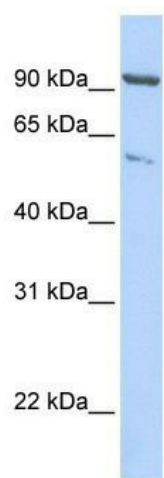
CDCBM3; HK2; KIF2

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

Protein Families:

Druggable Genome

Product images:

WB Suggested Anti-KIF2A Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysate