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Product datasheet for AP52378PU-N

KLC2 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Flow Cytometry:** 1/10-1/50. **Immunohistochemistry on Paraffin Sections:** 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 127-156 amino acids from the N-terminal region of human KLC2
Specificity:	This antibody recognizes Human and Mouse KLC2 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	kinesin light chain 2
Database Link:	Entrez Gene 64837 Human Q9H0B6

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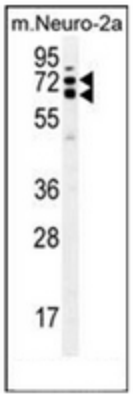
Background: Kinesin is a molecular motor that generates ATP-dependent movement of vesicles and organelles along microtubules. Kinesin consists of 2 light chains, such as KLC2, and 2 heavy chains (see KIF5B; MIM 602809) in a 1:1 stoichiometric ratio (Rahman et al., 1998 [PubMed 9624122]).

Synonyms: KLC2, KLC 2, Kinesin light chain 2

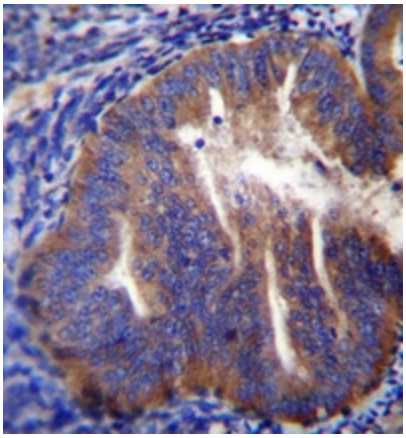
Note: **Molecular Weight:** 68935 Da

Protein Families: Druggable Genome

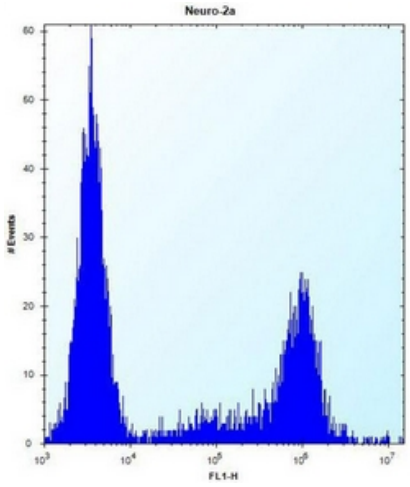
Product images:



Western blot analysis of KLC2 Antibody (N-term) in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the KLC2 antibody detected the KLC2 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue reacted with KLC2 Antibody (N-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining.



flow cytometric analysis of Neuro-2a cells using KLC2 Antibody (N-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.