

Product datasheet PS026

MONOSAN[®]

Polyclonal Rabbit anti-Kinesin, polyclonal

Clone no. -

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Product name	Polyclonal Rabbit anti-Kinesin, polyclonal
Host	Rabbit
Applications	WB, ICC
Species reactivity	Mouse, Pig, Human
Conjugate	-
Immunogen	stalk domain of human kinesin (aa 331-906) expressed in <i>E. coli</i> (FKHC3)
Isotype	-
Clonality	Polyclonal
Clone number	-
Size	0.1 mg
Concentration	1 mg/ml
Format	-
Storage buffer	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Kinesin belongs to the group of microtubule-associated motor proteins known to convert chemical energy released from nucleoside triphosphates (preferentially from ATP) into mechanical energy. Conventional kinesin, member of the kinesin superfamily comprising more than 100 proteins, is involved in the anterograde vesicle transport in neuronal cells. Kinesin purified from mammalian brain homogenates is a heterotetramer consisting of two heavy (120 to 130 kDa) and two light chains (60 to 70 kDa), resulting in a molecular mass about 400 kDa. Each heavy chain contains an N-terminal globular motordomain with both a microtubule-binding site and an ATPase active center, stalk region responsible for heavy chain dimerization and finally C-terminal globular tail domain, which is implicated in cargo binding. Light chains may have a regulatory function.

References

1. -
2. -
3. -
4. -
5. -

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