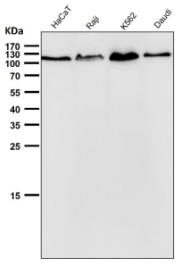
EXOC2 Antibody / Exocyst complex component 2 [clone 31E49] (FY12008)

Catalog No.	Formulation	Size
FY12008	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.	100 ul

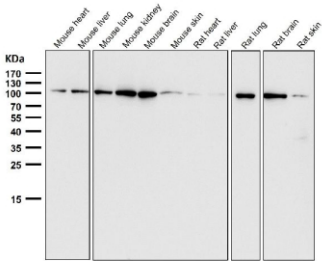
Recombinant RABBIT MONOCLONAL

Bulk quote request

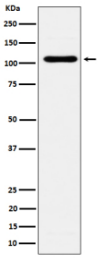
Availability	2-3 weeks
Species Reactivity	Human, Mouse, Rat
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	31E49
Purity	Affinity-chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	Q96KP1
Applications	Western blot: 1:500-1:2000
Limitations	This EXOC2 antibody is available for research use only.



All lanes use the antibody at 1:3K dilution for 1 hour at room temperature. Predicted molecular weight ~104 kDa.



All lanes use the antibody at 1:3K dilution for 1 hour at room temperature. Predicted molecular weight ~104 kDa.



Western blot analysis of EXOC2 expression in BxPC-3 cell lysate. Predicted molecular weight ~104 kDa.

Description

EXOC2 antibody detects exocyst complex component 2, a critical member of the octameric exocyst complex that regulates tethering of secretory vesicles to the plasma membrane. This protein, also known as Sec5, functions in exocytosis and polarized trafficking, ensuring cargo delivery to specific membrane domains. By organizing vesicle docking, EXOC2 plays a fundamental role in processes such as cell migration, epithelial polarity, and neurite outgrowth. Its interactions with Ral GTPases highlight its role in small GTPase-mediated trafficking control.

Research using EXOC2 antibody has connected this protein to cancer and neurological disorders. Overexpression of EXOC2 has been reported in several tumor types, where it may promote invasive behavior by enhancing targeted membrane addition and secretion of proteases. In neurons, altered exocyst function has been linked to impaired synaptic vesicle recycling and neurodevelopmental defects. Investigating EXOC2 therefore provides insight into both normal cellular organization and disease pathology.

Antibodies against EXOC2 have been validated in western blot, immunohistochemistry, and immunoprecipitation. These tools help characterize exocyst assembly, subcellular localization, and interactions with signaling proteins. High-specificity clones are particularly valuable for distinguishing EXOC2 from related exocyst components within large multiprotein complexes.

NSJ Bioreagents supplies this EXOC2 antibody for research applications in membrane trafficking, cancer biology, and neurobiology. Alternate names include exocyst complex component 2 antibody, Sec5 antibody, SEC5L1 antibody, and Sec5p antibody.

Application Notes

Optimal dilution of the EXOC2 antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human EXOC2 was used as the immunogen for the EXOC2 antibody.

Storage

Store the EXOC2 antibody at -20oC.

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