

Anti-EXOC2 Antibody [JE65-98]

HA721386



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IHC-P
Molecular Wt:	Predicted band size: 104 kDa
Clone number:	JE65-98

Description: Exocyst complex component 2 is a protein that in humans is encoded by the EXOC2 gene. The protein encoded by this gene is a component of the exocyst complex, a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the component proteins and the functions of the exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. This interaction has been shown to mediate filopodia formation in fibroblasts.

Immunogen: Synthetic peptide within

Positive control: K-562 cell lysate, Jurkat cell lysate, HepG2 cell lysate, MCF7 cell lysate, MDA-MB-231 cell lysate, HeLa cell lysate, HEK-293 cell lysate, U-2 OS cell lysate, human brain tissue lysate, mouse brain tissue lysate, rat brain tissue lysate.

Subcellular location: Midbody, Midbody ring.

Database links: SwissProt: Q96KP1 Human | Q9D4H1 Mouse | O54921 Rat

Recommended Dilutions:

WB	1:1,000
IHC-P	1:200

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

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Orders:0086-571-88062880

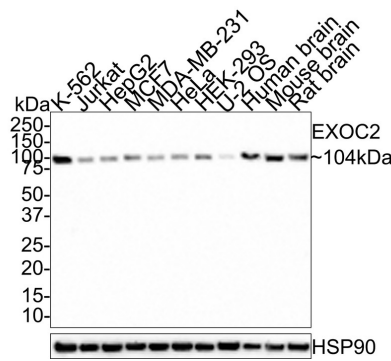
Technical:0086-571-89986345

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Images

Fig1: Western blot analysis of EXOC2 on different lysates with Rabbit anti-EXOC2 antibody (HA721386) at 1/1,000 dilution.



Lane 1: K-562 cell lysate (15 µg/Lane)
 Lane 2: Jurkat cell lysate (15 µg/Lane)
 Lane 3: HepG2 cell lysate (15 µg/Lane)
 Lane 4: MCF7 cell lysate (15 µg/Lane)
 Lane 5: MDA-MB-231 cell lysate (15 µg/Lane)
 Lane 6: HeLa cell lysate (15 µg/Lane)
 Lane 7: HEK-293 cell lysate (15 µg/Lane)
 Lane 8: U-2 OS cell lysate (15 µg/Lane)
 Lane 9: Human brain tissue lysate (30 µg/Lane)
 Lane 10: Mouse brain tissue lysate (30 µg/Lane)
 Lane 11: Rat brain tissue lysate (30 µg/Lane)

Predicted band size: 104 kDa
 Observed band size: 104 kDa

Exposure time: 3 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA721386) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:100,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Van Bergen NJ et al. Mutations in the exocyst component EXOC2 cause severe defects in human brain development. J Exp Med. 2020 Oct
2. Saternus R et al. A closer look at evolution: Variants (SNPs) of genes involved in skin pigmentation, including EXOC2, TYR, TYRP1, and DCT, are associated with 25(OH)D serum concentration. Endocrinology. 2015 Jan

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