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Datasheet for ABIN884832

anti-COPB1 antibody (AA 531-630) (Alexa Fluor 555)

Overview

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| Quantity: | 100 µL |
| Target: | COPB1 |
| Binding Specificity: | AA 531-630 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COPB1 antibody is conjugated to Alexa Fluor 555 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human beta COP |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Pig,Horse,Chicken |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | COPB1 |
| Alternative Name: | beta COP (COPB1 Products) |

Target Details

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| Background: | <p>Synonyms: Beta-coat protein, betacop, Coatomer beta subunit, Coatomer protein complex subunit beta 1, Coatomer protein complex subunit beta, Coatomer subunit beta, COPB, COPB1, DKFZp761K102, FLJ10341.</p> <p>Background: The Golgi complex is a key organelle where processing and sorting of newly synthesized proteins occurs. Membrane traffic from the endoplasmic reticulum (ER) to the Golgi complex and from the Golgi complex to the different final cellular destinations is believed to be mediated by carrier vesicles. Two populations of coated vesicles mediate biosynthetic membrane traffic between the different membrane-bound compartments. Clathrin-coated vesicles carry proteins to endocytic organelles and secretory granules, whilst non-clathrin-coated vesicles are involved in intra-Golgi transport and transport from the ER to the Golgi complex. Beta COP is a member of a set of protein which are believed to associate with the non-clathrin coated vesicles. Golgi-derived non-clathrin-coated vesicles are believed to act as bulk carriers, whereas clathrin-coated vesicles carry a selective cargo of membrane proteins.</p> |
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| Gene ID: | 1315 |
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Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |