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Datasheet for ABIN6138875
anti-COPG antibody (AA 555-874)

1 Image

Overview

Quantity:	100 µL
Target:	COPG
Binding Specificity:	AA 555-874
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPG antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 555-874 of human COPG1 (NP_057212.1).
Sequence:	IPGLERALQQ YTLEPSEKPF DLKSVPLATA PMAEQRTEST PITAVKQPEK VAATRQEIFQ EQLAAVPEFR GLGPLFKSSP EPVALTESET EYVIRCTKHT FTNHMVVFQFD CTNTLNDQTL ENVTVQMEPT EAYEVLGYVP ARSLPYNQPG TCYTLVALPK EDPTAVACTF SCMMKFTVKD CDPTTGETDD EGYEDEYVLE DLEVTVADHI QKVMKLNFEA AWDEVGDEFE KEETFTLSTI KTLLEAVGNI VKFLGMHPCE RSDKVPDNKN THTLLLAGVF RGGHDILVRS RLLLLDTVMT QVTARSLEEL PVDIILASVG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: COPG

Alternative Name: COPG1 ([COPG Products](#))

Background: The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs, which are small GTP-binding proteins, the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors. Required for limiting lipid storage in lipid droplets. Involved in lipid homeostasis by regulating the presence of perilipin family members PLIN2 and PLIN3 at the lipid droplet surface and promoting the association of adipocyte triglyceride lipase (PNPLA2 with the lipid droplet surface to mediate lipolysis (By similarity.,COPG1,COPG,Signal Transduction,COPG1

Molecular Weight: 97 kDa

Gene ID: 22820

UniProt: [Q9Y678](#)

Application Details

Application Notes: WB,1:1000 - 1:2000,IHC,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

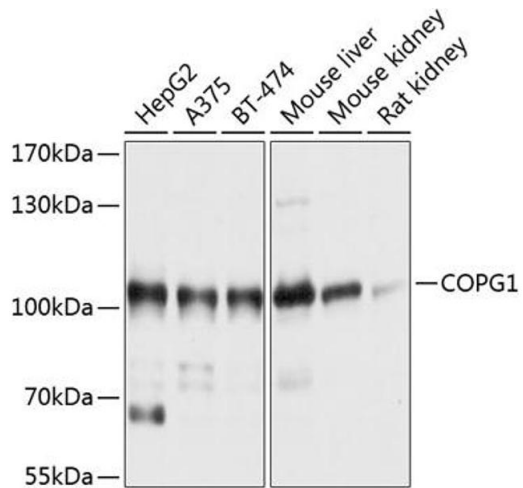
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using COPG1 antibody (ABIN6129672, ABIN6138875, ABIN6138876 and ABIN6214841) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.