

ARG45557 anti-EHD3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes EHD3
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	EHD3
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	EHD3
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human EHD3.
Conjugation	Un-conjugated
Alternate Names	EHD3; EH Domain Containing 3; PAST3; EH Domain-Containing Protein 3; PAST Homolog 3; EHD2

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	70 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

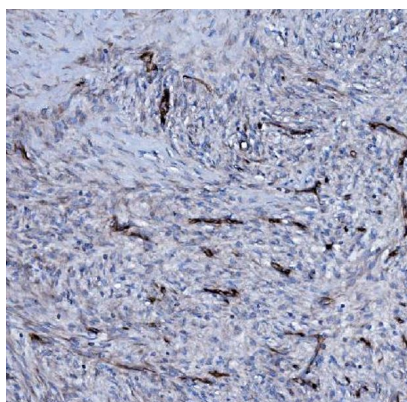
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

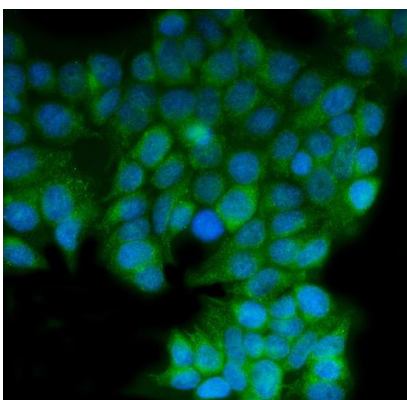
Gene Symbol	EHD3
Gene Full Name	EH Domain Containing 3
Background	Predicted to enable nucleic acid binding activity. Involved in several processes, including cytosolic transport; endocytic recycling; and protein homooligomerization. Acts upstream of or within protein localization to plasma membrane and regulation of cardiac muscle cell membrane potential. Located in ciliary pocket membrane and recycling endosome membrane. [provided by Alliance of Genome Resources, Feb 2025]
Function	TP- and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis. In vitro causes tubulation of endocytic membranes. Binding to phosphatidic acid induces its membrane tubulation activity (By similarity). Plays a role in endocytic transport. Involved in early endosome to recycling endosome compartment (ERC), retrograde early endosome to Golgi, and endosome to plasma membrane (rapid recycling) protein transport. Involved in the regulation of Golgi maintenance and morphology. [UniProt]
Calculated Mw	61 kDa
PTM	Acetylation; Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cell membrane; Cell projection; Cilium; Endosome; Membrane. [UniProt]

Images



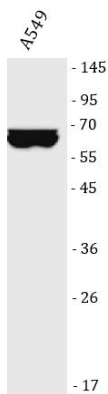
ARG45557 anti-EHD3 antibody IHC-P image

Immunohistochemistry: Human ovarian serous adenocarcinoma stained with ARG45557 anti-EHD3 antibody at 2 µg/ml dilution.



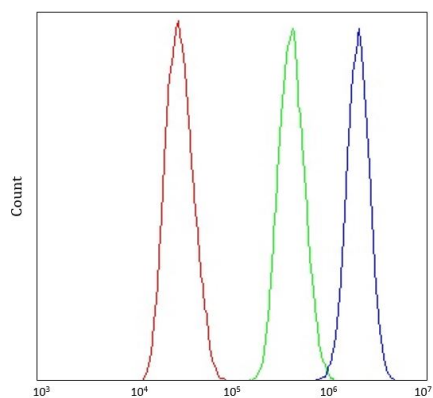
ARG45557 anti-EHD3 antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG45557 anti-EHD3 antibody at 5 µg/ml dilution.



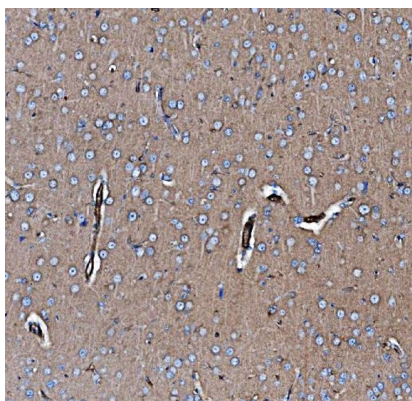
ARG45557 anti-EHD3 antibody WB image

Western blot: A549 stained with ARG45557 anti-EHD3 antibody at 0.5 µg/ml dilution.



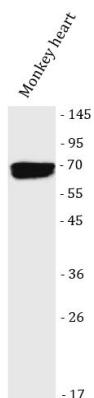
ARG45557 anti-EHD3 antibody FACS image

Flow Cytometry: MCF-7 stained with ARG45557 anti-EHD3 antibody at 1 µg/10⁶ cells dilution.



ARG45557 anti-EHD3 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45557 anti-EHD3 antibody at 2 µg/ml dilution.



ARG45557 anti-EHD3 antibody WB image

Western blot: monkey heart stained with ARG45557 anti-EHD3 antibody at 0.5 µg/ml dilution.