

Datasheet for ABIN7354679

anti-CD2AP antibody (AA 253-337) (DyLight 488)



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Overview

Quantity:	100 µg
Target:	CD2AP (Cd2ap)
Binding Specificity:	AA 253-337
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD2AP antibody is conjugated to DyLight 488
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Human CD2AP DyLight® 488 conjugated Antibody
Immunogen:	E. coli-derived human CD2AP recombinant protein (Position: K253-K337).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Human CD2AP DyLight® 488 conjugated Antibody -Dyl488. Tested in Flow Cytometry applications. This antibody reacts with Human.

Target Details

Target:	CD2AP (Cd2ap)
Alternative Name:	CD2AP (Cd2ap Products)

Target Details

Background:	Synonyms: CD2-associated protein, Adapter protein CMS, Cas ligand with multiple SH3 domains, CD2AP Tissue Specificity: Widely expressed in fetal and adult tissues. Background: CD2-associated protein is a protein that in humans is encoded by the CD2AP gene. This gene encodes a scaffolding molecule that regulates the actin cytoskeleton. The protein ly interacts with filamentous actin and a variety of cell membrane proteins through multiple actin binding sites, SH3 domains, and a proline-rich region containing binding sites for SH3 domains. The cytoplasmic protein localizes to membrane ruffles, lipid rafts, and the leading edges of cells. It is implicated in dynamic actin remodeling and membrane trafficking that occurs during receptor endocytosis and cytokinesis. Haploinsufficiency of this gene is implicated in susceptibility to glomerular disease.
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Molecular Weight:	39 kDa
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Gene ID:	23607
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UniProt:	Q9Y5K6
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Application Details

Application Notes:	Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells1. Cochran, J. N., Rush, T., Buckingham, S. C., Roberson, E. D. The Alzheimer's disease risk factor CD2AP maintains blood-brain barrier integrity. Hum. Molec. Genet. 24: 6667-6674, 2015. 2. Lowik, M. M., Groenen, P. J. T. A., Pronk, I., Lilien, M. R., Goldschmeding, R., Dijkman, H. B., Levtchenko, E. N., Monnens, L. A., van den Heuvel, L. P. Focal segmental glomerulosclerosis in a patient homozygous for a CD2AP mutation. Kidney Int. 72: 1198-1203, 2007.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Each vial contains 50 % glycerol, 0.9 % NaCl, 0.2 % Na ₂ HPO ₄ , 0.02 % Sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Handling

Storage Comment: At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.