Datasheet for ABIN1539741

anti-Myosin 9 antibody (pTyr158)

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Overview

Quantity:	400 µL
Target:	Myosin 9 (MYH9)
Binding Specificity:	pTyr158
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Dot Blot (DB)

Product Details

Immunogen:	This MYH9 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y158 of human MYH9.
Clone:	RB36361
Isotype:	Ig Fraction
Predicted Reactivity:	C, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Myosin 9 (MYH9)
Alternative Name:	MYH9 (MYH9 Products)
Background:	This gene encodes a myosin IIA heavy chain that contains an IQ domain and a myosin head-like

Target Details

	domain. The protein is involved in several important functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in MYH9 are the cause of non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness.
Molecular Weight:	226532
Gene ID:	4627
NCBI Accession:	NP_002464
UniProt:	P35579
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Integrin Complex

Application Details

Application Notes:	DB: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Phospho-MYH9-Y158 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the Phospho-MYH9-Y158 Antibody at -20 °C.
Expiry Date:	6 months

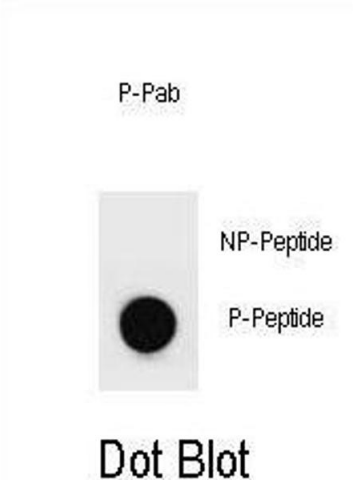
Publications

Product cited in:	Almeida, Mesquita, Cruz, Osório, Custódio, Brito, Vingadassalom, Martins, Leong, Holden, Cabanes, Sousa: "Src-dependent tyrosine phosphorylation of non-muscle myosin heavy chain-IIA restricts Listeria monocytogenes cellular infection." in: **The Journal of biological chemistry**,

Publications

Vol. 290, Issue 13, pp. 8383-95, (2015) (PubMed).

Images



Dot Blot

Image 1. Dot blot analysis of Phospho-MYH9- Antibody Phospho-specific Pab (ABIN1539741 and ABIN2839841) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.