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PI AHO0482

Mouse (monoclonal) Anti-Human Fyn (p59^{fyn}) Unconjugated

PRODUCT ANALYSIS SHEET

Catalog Number:	AHO0482		
Lot Number:	See product label		
Expiration Date:	See product label		
Quantity/Volume:	100 μg/0.5 mL		
Clone Number:	18		
Isotype:	Mouse IgG1 kappa		
Form of Antibody:	Purified immunoglobulin in 10mM phosphate buffered saline, pH 7.4, with 0.2% bovine serum albumin.		
Preservation:	0.09% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)		
Purification:	Purified from ascites by Protein G affinity chromatography.		
Immunogen:	Recombinant protein corresponding to amino acid residues 1-206 of murine p59 ^{fyn} protein.		
Myeloma/Fusion Partners:	Produced by the fusion between BALB/c mouse splenocytes and p3-NS1-Ag4-1 mouse myeloma cells.		
Specificity:	This monoclonal antibody recognizes a protein with $M_r=59$ kDa, identified as $p59^{fyn}$, a member of the Src family of non-receptor tyrosine protein kinases. $p59^{fyn}$ is myristoylated at its N-terminus, then translocated to the plasma membrane where it is palmitoylated, and targeted to caveolae-like microdomains. $p59^{fyn}$ associates with several proteins through its SH2 and SH3 domains including p82 and p116. Through its N-terminal region, $p59^{fyn}$ associates with CD3 and the ζ chain of T-cell receptor. The association of $p59^{fyn}$ with CD3 and T-cell receptor is important in the regulation of T-cell signaling $p59^{fyn}$ is also important in nervous system development, brain function, and signaling arising from cell adhesion.		
Species Reactivity:	Human, mouse, and rat. Other species were not tested.		
Applications:	This antibody is suitable for use in Western blot analysis*, kinase assays*, and immunohistochemistry with acetone-fixed cryostat sections and formalin-fixed paraffin-embedded tissue sections. Staining of formalin-fixed paraffin-embedded tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at room temperature for 20 minutes. Antibody preparations from which the BSA has been omitted have been used successfully as a coating antibody in ELISA. *Not validated with each lot.		

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Suggested Working Dilutions: Recommended Positive	For Western blotting, the recommended concentration is $1.0 \ \mu g/mL$ with an incubation time of 2 hours at room temperature; and for immunohistology, the recommended concentration is $1.0-2.0 \ \mu g/mL$ with an incubation time of 30 minutes at room temperature. The optimal antibody concentration should be determined for each specific application. Human or mouse T-cell hybridomas, Jurkat cells, or lymphoma.	
Controls:		
Storage:	Store at 2-8°C.	
References:	Bhat, N.R. (1995) Signal transduction mechanisms in glial cells. Dev. Neurosci. 17(5-6):267-284. Brickell, P.M. (1992) The p60c-src family of protein tyrosine kinases: structure, regulation, and function. Crit. Rev. Oncog. 3(4):401-446.	
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Symbol	Description	Symbol	Description		
REF	Catalogue Number	LOT	Batch code		
RUO	Research Use Only	IVD	In vitro diagnostic medical device		
X	Use by	ł	Temperature limitation		
***	Manufacturer	EC REP	European Community authorised representative		
[-]	Without, does not contain	[+]	With, contains		
from Light	Protect from light	Â	Consult accompanying documents		
i	Directs the user to consult instructions for use (IFU), accompanying the product.				

Explanation of symbols

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