Histone H2A.X(Phospho-S139) Conjugated Antibody

Catalog No: #C13343

Package Size: #C13343-AF350 100ul #C13343-AF405 100ul #C13343-AF488 100ul #C13343-AF555 100ul #C13343-AF594 100ul #C13343-AF647 100ul #C13343-AF680 100ul #C13343-AF750 100ul #C13343-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Histone H2A.X(Phospho-S139) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	APAF 1 antibody Apaf-1 antibody APAF_HUMAN antibody Apaf1 antibody Apoptotic peptidase activating factor 1 antibody Apoptotic protease activating factor 1 antibody Apoptotic protease activating factor antibody Apoptotic protease-activating factor 1 antibody CED 4 antibody CED4 antibody KIAA0413 antibody
Accession No.	Swiss-Prot#:O14727
Uniprot	O14727
GeneID	317;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	141
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The mammalian homologs of the Ced-4 proteins, Apaf-1 (Ced-4), Nod1 (CARD4), and Nod2 contain a caspase recruitment domain (CARD) and a putative nucleotide binding domain, signified by a consensus Walker's A box (P-loop) and B box (Mg2+-binding site). Nod1 contains a putative regulatory domain and multiple leucine-rich repeats. Nod1 is a member of a growing family of intracellular proteins which share structural homology to the apoptosis regulator Apaf-1. Nod1 associates with the CARD-containing kinase RICK and activates NFkB. The self-association of Nod1 mediates proximity of RICK and the interaction of RICK with IKKg. In addition, Nod-1 binds to multiple caspases with long prodomains, but specifically activates caspase-9 and promotes caspase-9-induced apoptosis. Nod2 is composed of two N-terminal CARDs, a nucleotide-binding domain, and multiple C-terminal leucine-rich repeats. The expression of Nod2 is highly restricted to monocytes, and activates NFkB in response to bacterial lipopoly-saccharides.

Note: This product is for in vitro research use only