Datasheet for ABIN7162705

anti-PAXIP1 antibody (AA 613-812) (HRP)

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Overview

Quantity:	100 µg
Target:	PAXIP1
Binding Specificity:	AA 613-812
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAXIP1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human PAX-interacting protein 1 protein (613-812AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PAXIP1
Alternative Name:	PAXIP1 (PAXIP1 Products)
Background:	Background: Involved in DNA damage response and in transcriptional regulation through histone methyltransferase (HMT) complexes. Plays a role in early development. In DNA damage

Target Details

	response is required for cell survival after ionizing radiation. In vitro shown to be involved in the homologous recombination mechanism for the repair of double-strand breaks (DSBs). Its localization to DNA damage foci requires RNF8 and UBE2N. Recruits TP53BP1 to DNA damage foci and, at least in particular repair processes, effective DNA damage response appears to require the association with TP53BP1 phosphorylated by ATM at \'Ser-25\'. Together with TP53BP1 regulates ATM association. Recruits PAGR1 to sites of DNA damage and the PAGR1:PAXIP1 complex is required for cell survival in response to DNA damage, the function is probbaly independent of MLL-containing histone methyltransferase (HMT) complexes. Promotes ubiquitination of PCNA following UV irradiation and may regulate recruitment of polymerase eta and RAD51 to chromatin after DNA damage. Proposed to be involved in transcriptional regulation by linking MLL-containing histone methyltransferase (HMT) complexes to gene promoters by interacting with promoter-bound transcription factors such as PAX2. Associates with gene promoters that are known to be regulated by KMT2D/MLL2. During immunoglobulin class switching in activated B-cells is involved in trimethylation of histone H3 at \'Lys-4\' and in transcription initiation of downstream switch regions at the immunoglobulin heavy-chain (Igh) locus, this function appears to involve the recruitment of MLL-containing HMT complexes. Aliases: CAGF 28 antibody, CAGF 29 antibody, CAGF28 antibody, CAGF29 antibody, FLJ41049 antibody, PACIP 1 antibody, PACIP1 antibody, PAX interacting (with transcription activation domain) protein 1 antibody, PAX interacting protein 1 antibody, PAX transactivation activation domain-interacting protein antibody, PAX transcription activation domain interacting protein 1 like antibody, PAX-interacting protein 1 antibody, PAXI1_HUMAN antibody, PAXIP 1 antibody, PAXIP 1L antibody, paxip1 antibody, PAXIP1 protein antibody, PAXIP1L antibody, Protein encoded by CAG trinucleotide repeats antibody, PTIP antibody, TNRC 2 antibody, TNRC2 antibody
UniProt:	Q6ZW49
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.