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G2E3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18914C

Product Information

Application	WB, E
Primary Accession	Q7L622
Other Accession	Q4R9C4, NP_060239.2
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30473
Calculated MW	80504
Antigen Region	226-252

Additional Information

Gene ID	55632
Other Names	G2/M phase-specific E3 ubiquitin-protein ligase, 632-, G2E3, KIAA1333
Target/Specificity	This G2E3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-252 amino acids from the Central region of human G2E3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	G2E3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	G2E3
Synonyms	KIAA1333
Function	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2

	ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Essential in early embryonic development to prevent apoptotic death.
Cellular Location	Nucleus, nucleolus. Cytoplasm. Note=Shuttles between the nucleus and the cytoplasm. In the nucleus, delocalizes from the nucleolus to the nucleoplasm in response to DNA damage
Tissue Location	Predominantly expressed in brain, liver, kidney, testes and ovary.

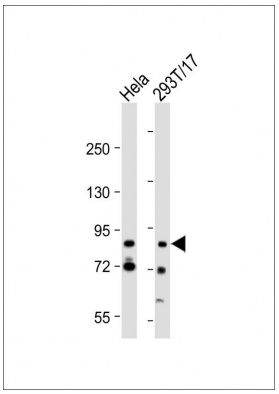
Background

E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Essential in early embryonic development to prevent apoptotic death.

References

Brooks, W.S., et al. J. Biol. Chem. 283(32):22304-22315(2008)
Brooks, W.S., et al. Exp. Cell Res. 313(4):665-676(2007)
Lehner, B., et al. Genomics 83(1):153-167(2004)
Crawford, D.F., et al. J. Biol. Chem. 276(40):37166-37177(2001)

Images



All lanes : Anti-G2E3 Antibody (Center) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: 293T/17 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 81 kDa Blocking/Dilution buffer: 5% NFDM/TBST.