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Product datasheet for TA319479

RSL1D1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: 1:2,500 - 1:10,000, WB: 1:500 - 1:2,000, IP: 1:100
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal sequence of human PBK1.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ribosomal L1 domain containing 1
Database Link:	NP_056474 Entrez Gene 26156 Human O76021
Synonyms:	CSIG; L12; PBK1; UTP30
Note:	This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. PBK1 protein (also known as Ribosomal L1 domain-containing protein 1, cellular senescence-inhibited gene protein, and CATX-11) was isolated from highly invasive first trimester trophoblast cells and has been proposed to regulate their naturally occurring invasive behavior (Huch et al., 1998). PBK1 was also found to be over-expressed in non-small-cell lung cancer (NSCLC) cells (Petroziello et al., 2004). A recent study suggests that PBK1 may up-regulate the urokinase-type plasminogen activator (uPA) gene, which plays an important role in cellular matrix degradation and

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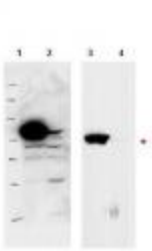
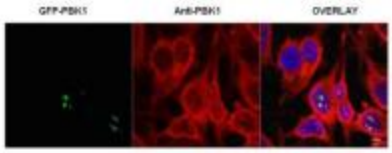
Product images:



WB using Anti-PBK1 antibody shows detection of over-expressed PBK1 in lysates from HeLa cells transfected with Flag-PBK1. Lanes 1 and 3 contain lysate from Flag-PBK1 transfected HeLa cells. Lanes 2 and 4 contain lysate from cells transfected with null vector. Lanes 1 and 2 were blotted with anti-Flag antibody. Lanes 3 and 4 were probed with a 1:500 dilution of anti-PBK1. The band at 75 kDa, indicated by the arrowhead, corresponds to PBK1.



Immunofluorescence microscopy of HeLa cells transfected with GFP-PBK1. In the overlay, specific antibody staining is shown to co-localize with recombinant protein. Cells were fixed with methanol prior to staining. Personal communication, J. McNally and D. Stavreva, NCI, Bethesda, MD.