

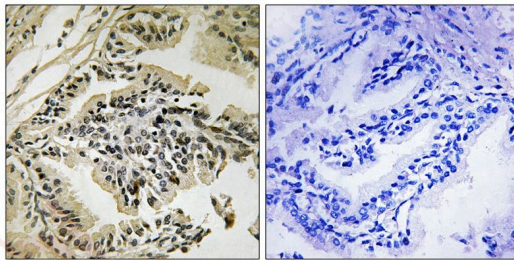
Anti-Phospho-PERK (Thr982) Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 125 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Applications

Verified Activity: 1. Immunohistochemical analysis of paraffin-embedded human prostate carcinoma tissue using PEK/PERK (Phospho-Thr982) antibody TMAC-03153 (left) or the same antibody preincubated with blocking peptide (right).



Application:	IHC
Recommended	IHC: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 982(R-H-T(p)-G-Q) derived from Human PEK/PERK
Antigen Species:	human
Uniprot ID:	Q9NZJ5
Synonyms:	PERK (p-Thr982);p-PERK (Thr982);PERK (p-T982);p-PERK (T982)

Research Background

Phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation and thus to a rapid reduction of translational initiation and repression of global protein synthesis. Serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin-D1 (CCND1)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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