

Anti-TCHP antibody



Description	Unconjugated Rabbit polyclonal to TCHP
Model	STJ191797
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Gene ID	84260
Gene Symbol	TCHP
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	TCHP Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed at high levels in normal urothelial and breast epithelial cells. Also expressed in the smooth muscle and endothelial cells. Reduced expression seen in advanced bladder and breast carcinomas (at protein level). Ubiquitous. Expressed at highest levels in the heart, skeletal muscle, kidney, liver and testis.
Purification	TCHP antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Trichoplein keratin filament-binding protein Protein TCHP Mitochondrial protein with oncostatic activity Mitostatin Tumor suppressor protein
Molecular Weight	54 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:28135OMIM:612654
Alternative Names	Trichoplein keratin filament-binding protein Protein TCHP Mitochondrial protein with oncostatic activity Mitostatin Tumor suppressor protein
Function	Tumor suppressor which has the ability to inhibit cell growth and be pro-apoptotic during cell stress. Inhibits cell growth in bladder and prostate cancer cells by a down-regulation of HSPB1 by inhibiting its phosphorylation. May act as a 'capping' or 'branching' protein for keratin filaments in the cell periphery. May regulate K8/K18 filament and desmosome organization mainly at the apical or peripheral regions of simple epithelial cells . Is a negative regulator of ciliogenesis .
Cellular Localization	Cytoplasm, cytoskeleton Cytoplasm Cell membrane Mitochondrion Cell junction, desmosome
Post-translational Modifications	Ubiquitinated. Ubiquitination by the BCR(KCTD17) E3 ubiquitin ligase complex results in proteasomal degradation, and induces ciliogenesis.