

PGLS rabbit pAb

Cat#: orb766064 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	PGLS rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PGLS. AA range:191-240
Specificity	PGLS Polyclonal Antibody detects endogenous levels of PGLS protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	6-phosphogluconolactonase
Gene Name	PGLS
Cellular localization	Cytoplasm .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

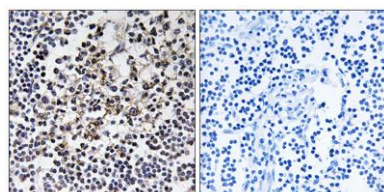
Concentration	1 mg/ml
Observed band	30kD
Human Gene ID	25796
Human Swiss-Prot Number	O95336
Alternative Names	PGLS; 6-phosphogluconolactonase; 6PGL

Background

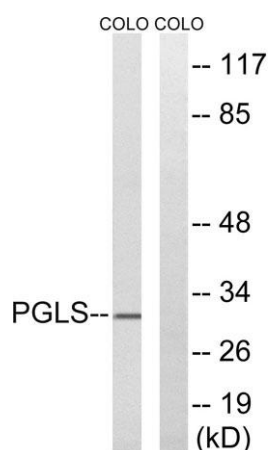
catalytic activity:6-phospho-D-glucono-1,5-lactone + H(2)O = 6-phospho-D-gluconate.,function:Hydrolysis of 6-phosphogluconolactone to 6-phosphogluconate.,pathway:Carbohydrate degradation; pentose phosphate pathway; D-ribulose 5-phosphate from D-glucose 6-phosphate (oxidative stage): step 2/3.,similarity:Belongs to the glucosamine/galactosamine-6-phosphate isomerase family. 6-phosphogluconolactonase subfamily.,



Western Blot analysis of various cells using PGLS Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lymph node tissue, using PGLS Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using PGLS Antibody. The lane on the right is blocked with the synthesized peptide.