

PGLS Polyclonal Antibody

Catalog No :	YT3691
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	PGLS
Fields :	>>Pentose phosphate pathway;>>Metabolic pathways;>>Carbon metabolism
Gene Name :	PGLS
Protein Name :	6-phosphogluconolactonase
Human Gene Id :	25796
Human Swiss Prot No :	O95336
Mouse Swiss Prot No :	Q9CQ60
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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 30kD

Cell Pathway : Pentose phosphate pathway;

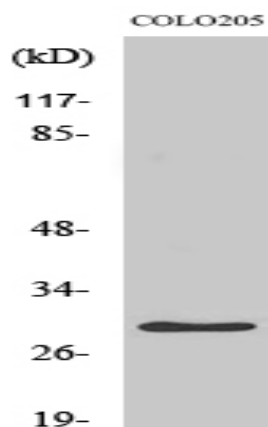
Background : catalytic activity:6-phospho-D-glucono-1,5-lactone + H(2)O = 6-phospho-D-gluconate.,function:Hydrolysis of 6-phosphogluconolactone to 6-phosphogluconate.,pathway:Carbohydrate degradation; pentose phosphate pathway; D-ribulose 5-phosphate from D-glucose 6-phosphate (oxidative stage): step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

Function : 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.,

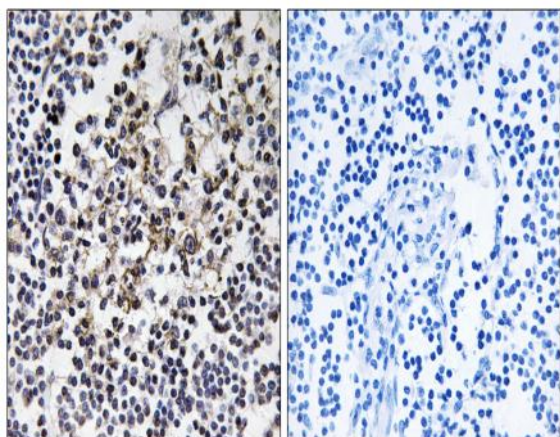
Subcellular Location : Cytoplasm .

Expression : Brain,Cajal-Retzius cell,Fetal brain cortex,Uterus,

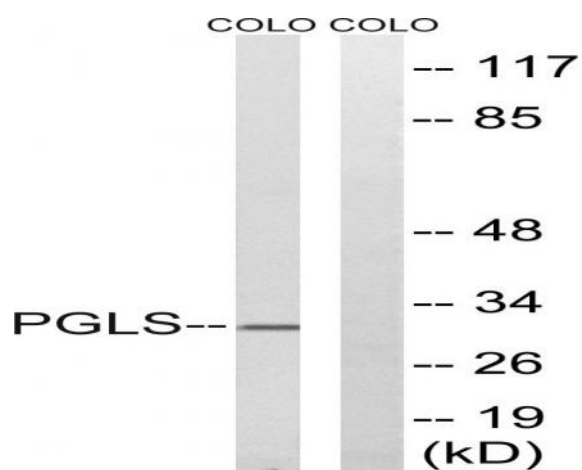
Products Images



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.