

## CD203c Polyclonal Antibody

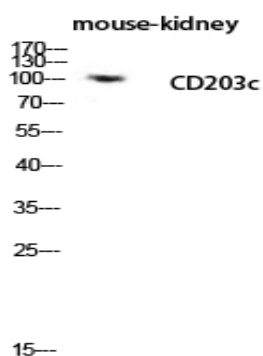
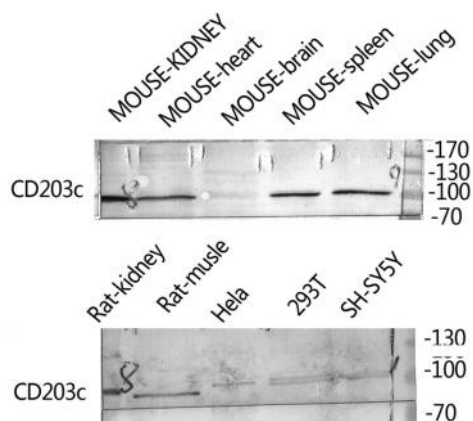
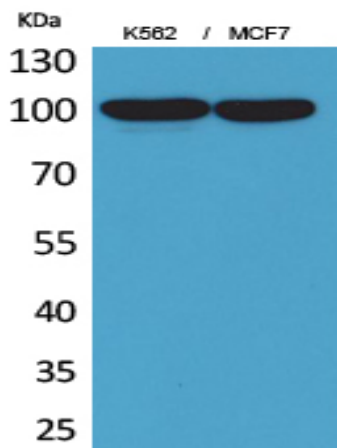
<b>Catalog No :</b>	YT5274
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CD203c
<b>Fields :</b>	>>Purine metabolism;>>Pyrimidine metabolism;>>Starch and sucrose metabolism;>>Riboflavin metabolism;>>Nicotinate and nicotinamide metabolism;>>Pantothenate and CoA biosynthesis;>>Metabolic pathways;>>Nucleotide metabolism
<b>Gene Name :</b>	ENPP3
<b>Protein Name :</b>	Ectonucleotide pyrophosphatase/phosphodiesterase family member 3
<b>Human Gene Id :</b>	5169
<b>Human Swiss Prot No :</b>	O14638
<b>Mouse Gene Id :</b>	209558
<b>Mouse Swiss Prot No :</b>	Q6DYE8
<b>Rat Gene Id :</b>	54410
<b>Rat Swiss Prot No :</b>	P97675
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human ENPP3. AA range:281-330
<b>Specificity :</b>	CD203c Polyclonal Antibody detects endogenous levels of CD203c protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG

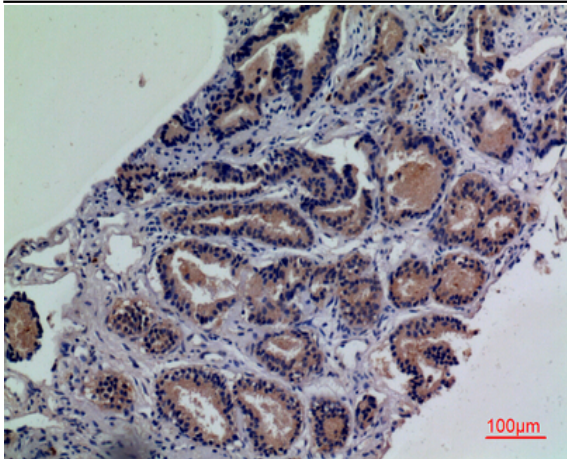
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<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	100kD
<b>Cell Pathway :</b>	Purine metabolism;Starch and sucrose metabolism;Riboflavin metabolism;Nicotinate and nicotinamide metabolism;Pantothenate and CoA biosynthesis;
<b>Background :</b>	The protein encoded by this gene belongs to a series of ectoenzymes that are involved in hydrolysis of extracellular nucleotides. These ectoenzymes possess ATPase and ATP pyrophosphatase activities and are type II transmembrane proteins. Expression of the related rat mRNA has been found in a subset of immature glial cells and in the alimentary tract. The corresponding rat protein has been detected in the pancreas, small intestine, colon, and liver. The human mRNA is expressed in glioma cells, prostate, and uterus. Expression of the human protein has been detected in uterus, basophils, and mast cells. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Oct 2015],
<b>Function :</b>	catalytic activity:A dinucleotide + H(2)O = 2 mononucleotides.,catalytic activity:Hydrolytically removes 5'-nucleotides successively from the 3'-hydroxy termini of 3'-hydroxy-terminated oligonucleotides.,cofactor:Binds 2 divalent metal cations per subunit.,enzyme regulation:At low concentrations of ATP, a phosphorylated active site intermediate is formed which inhibits further ATP hydrolysis.,function:Cleaves a variety of phosphodiester and phosphosulfate bonds including deoxynucleotides, nucleotide sugars, and NAD.,induction:Up-regulated by stimulation by allergen or by cross-linking with IgE. The IgE-mediated activation is enhanced by tetradecanoyl phorbol acetate (TPA), a stimulator of the PKC pathway, and inhibited by the P13 kinase inhibitors, LY294002 and wortmannin. Up-regulated in invasive bile duct cancers.,PTM:It has been suggested that the active SMB domain may be permitted co
<b>Subcellular Location :</b>	Cell membrane ; Single-pass type II membrane protein . Apical cell membrane ; Single-pass type II membrane protein . Secreted . Detected at the cell surface of basophils (PubMed:11342463). Detected at the apical plasma membrane of bile duct cells (PubMed:15072822). Located to the apical surface in intestinal and kidney epithelial cells. Secreted in serum, and in lumen of epithelial cells. .
<b>Expression :</b>	Detected on bile ducts in liver, and in blood serum (at protein level) (PubMed:15072822). Detected in prostate and uterus (PubMed:9344668).

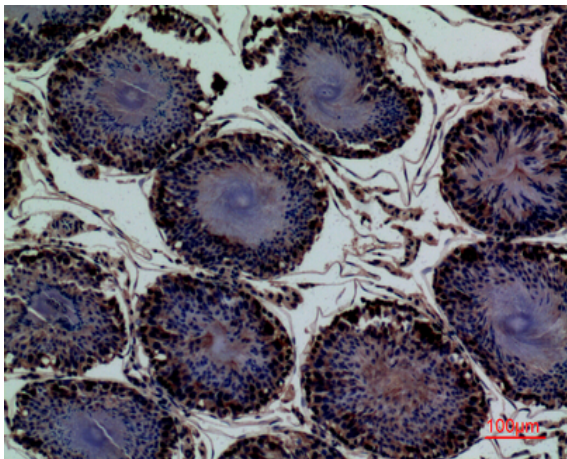
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## Products Images

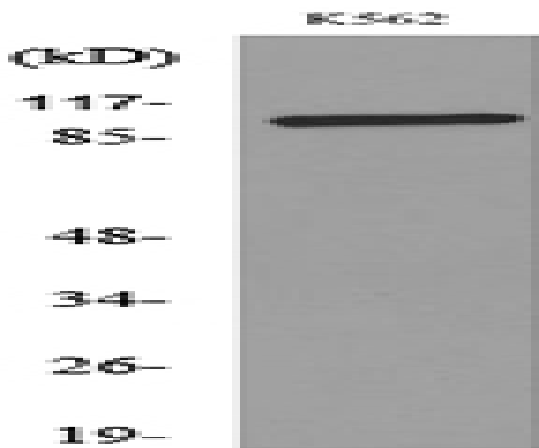




Immunohistochemical analysis of paraffin-embedded human-prostate-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-testis, antibody was diluted at 1:100



Western blot analysis of lysate from K562 cells, using ENPP3 Antibody.