



# UTRO Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-06376
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	IHC;IF
<b>Gene Name</b>	UTRN DMDL DRP1
<b>Protein Name</b>	Utrophin (Dystrophin-related protein 1) (DRP-1)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	UTRO Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC-p 1:50-300. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	377kD
<b>Cell Pathway</b>	Cell junction, synapse, postsynaptic cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Neuromuscular junction.
<b>Tissue Specificity</b>	Isoform 1 has high expression in muscle. Isoforms Up70 and Up140 were found in all the adult and fetal tissues tested and relatively abundant in lung and kidney.
<b>Function</b>	function:May play a role in anchoring the cytoskeleton to the plasma membrane.,online information:Utrophin entry,similarity:Contains 1 WW domain.,similarity:Contains 1 ZZ-type zinc finger.,similarity:Contains 2 CH (calponin-homology) domains.,similarity:Contains 20 spectrin repeats.,subcellular location:Neuromuscular junction.,subunit:Interacts with the syntrophins SNTA1; SNTB1 and SNTB2. Interacts with SYNM.,tissue specificity:Muscle.,
<b>Background</b>	This gene shares both structural and functional similarities with the dystrophin gene. It contains an actin-binding N-terminus, a triple coiled-coil repeat central region, and a C-terminus that consists of protein-protein interaction motifs which interact with dystroglycan protein components. The protein encoded by this gene is located at the neuromuscular synapse and myotendinous junctions, where it participates in post-synaptic membrane maintenance and acetylcholine receptor clustering. Mouse studies suggest that this gene may serve as a functional substitute for the dystrophin gene and therefore, may serve as a potential therapeutic alternative to muscular dystrophy which is caused by mutations in the



dystrophin gene. Alternative splicing of the utrophin gene has been described; however, the full-length nature of these variants has not yet been determined. [provided by RefSeq, Jul 2008],

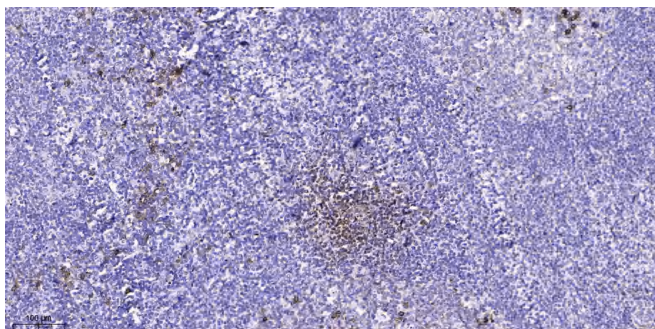
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).