Human WARP Antibody

Monoclonal Mouse IgG_1 Clone # 559915

Catalog Number: MAB6189

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human WARP in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant mouse (rm) WARP, rmCollagen II, or recombinant bovine Collagen I is observed.
Source	Monoclonal Mouse IgG_1 Clone # 559915
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human WARP Arg19-Pro445 Accession # Q6PCB0
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

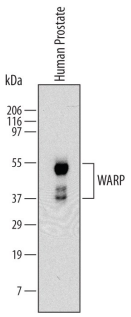
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA

Western Blot



Detection of Human WARP by Western Blot. Western blot shows lysates of human prostate tissue. PVDF Membrane was probed with 2 µg/mL of Mouse Anti-Human WARP Monoclonal Antibody (Catalog # MAB6189) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). Specific bands were detected for WARP at approximately 50, 40 and 37 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Von Willebrand factor A (vWFA) domain-related protein (WARP) is a 50 kDa glycoprotein member of the vWFA domain superfamily of extracellular matrix proteins. It is expressed in embryonic articular cartilage, skeletal muscle and basement membranes in the PNS. WARP forms disulfide-linked homodimers and multimers, and complexes with perlecan. Secreted human WARP contains a vWFA domain (aa 34-213), two fibronectin type III domains (aa 211-301 and 331-421) that likely bind to the GAG modification of perlecan, and one potential site for N-linked glycosylation. There is one alternate start site at Met213. Mature human WARP shares 72% aa sequence identity with mature mouse and rat WARP.