

AB-NN240-1

DMPO Antibody

Pan-specific monoclonal antibody (N1664A) for monitoring the expression of DMPO



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	DMPO
Alias:	5,5-dimethyl-2-(8-octanoic acid)-1-pyrroline N oxide, DMPO nitron adduct, 55 dimethyl 1 pyrroline N oxide nitron adduct
UniProt ID:	N/A
Observed SDS-PAGE Mass (KDa):	90

Immunogen

Antibody Immunogen Source:	5,5-dimethyl-2-(8-octanoic acid)-1-pyrroline-N-oxide conjugated to Ovalbumin
-----------------------------------	--

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	76 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB ICC/IF IP ELISA
Antibody Dilution Recommended:	WB (1:1000), ICC/IF (1:100), ELISA (1:100), IP (25µg); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Species Independent
Antibody Positive Control:	A 1/1000 dilution of SMC-189 was sufficient to detect the DMPO nitron adducts of metmyoglobin when loaded at 100ng/lane by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~90 kDa protein. Recognizes DMPO, DMPO-octanoic acid, DMPO-protein adducts and DMPO-DNA adducts. Does not cross react with non-adducted proteins or DNA.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987