

AB-NN313-2

Rhodopsin Antibody

Pan-specific monoclonal antibody (1D4) for monitoring the expression of bovine Rhodopsin



KINEXUS

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Target Protein

Name Long:	Rhodopsin
Alias:	OPN2, opsd, opsin 2, opsin 2 rod pigment, opsin2, RHO, RP4, MGC138309, Retinitis Pigmentosa 4
UniProt ID:	P02699 - Bovine
Human Predicted Mass (KDa):	38.893 (348 AA; P08100-1)
Observed SDS-PAGE Mass (KDa):	40

Immunogen

Antibody Immunogen Source:	Bovine Rhodopsin
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	31 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 IHC ICC/IF IP ELISA
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Vertebrates
Antibody Positive Control:	1 µg/ml of SMC-177 was sufficient for detection of rhodopsin in 10 µg of rat eye lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~40 kDa protein. Binds specifically to the N-terminus of Rhodopsin.
Antibody Specificity:	Very high
Antibody Cross Reactivities:	Does not detect Rhodopsin in invertebrates.

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