Product datasheet

anti-Neurofilaments (NF-L) mouse monoclonal, NR4, purified

Short overview

Cat. No.	691713
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	NR4
Immunogen	Crude neurofilament preparation from porcine spinal cord, containing the triplet polypeptides of 200, 145 and 68 kDa
Formulation	PBS with 0.02% sodium azide
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	IHC, WB
Reactivity	Bovine, Cat, Chicken, Gerbil, Human, Mouse, Pig, Rat

Applications

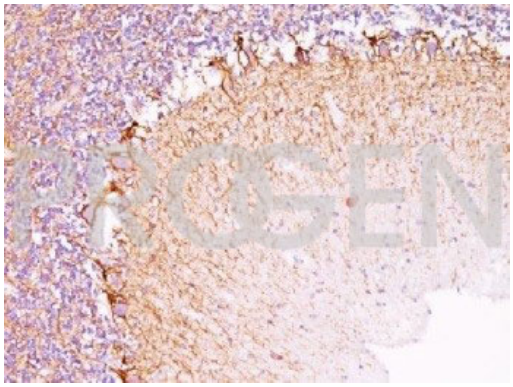
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:100-1:200 (0.5-1 µg/ml)

Background

NR4 reacts specifically with the 68 kDa subunit (NF-L) present in all neurofilaments. Neuronal intermediate filaments are typically referred to as a neurofilament triplet of low (L), middle (M) and high (H) molecular weight subunits of 68 kDa, 150 kDa and 200 kDa, respectively. Neurofilaments constitute the main structural elements of neuronal axons and dendrites.

Positive control: brain, neuroblastoma.

Product images



Human cerebellum