Mouse/Rat Draxin Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6149S
100 µg

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat Draxin in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant human Draxin is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Draxin Gly26-Ile343 Accession # Q6PAL1
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Draxin (Dorsal repulsive axon guidance protein; also neucrin) is a secreted, 58 kDa, presumable glycoprotein member of the Draxin family of molecules. In mammals, it is expressed in neurons (axons), astroglia, and likely cells of the developing somite. Draxin acts as a Wnt antagonist, apparently by binding to LRP6. The net effect is to block neural crest migration, and the organization of axons into functional tracts or bundles (fasciculation). Mature mouse Draxin is 318 amino acids (aa) in length. It contains one potential N-linked glycosylation site, followed by a Cys-rich domain (aa 268-327). Mature mouse Draxin (aa 26-343) shares 80% aa identity with mature human Draxin, and 94% aa identity with mature rat Draxin.

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