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Datasheet for ABIN6992157
anti-TRO antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	TRO
Binding Specificity:	AA 390-440, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRO antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Trophinin antibody was raised against a 16 amino acid peptide near the amino terminus of human Trophinin. The immunogen is located within amino acids 390 - 440 of Trophinin.
Isotype:	IgG
Specificity:	Trophinin antibody is human, mouse and rat reactive. Multiple isoforms of Trophinin are known to exist.
Purification:	Trophinin antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TRO
Alternative Name:	Trophinin (TRO Products)

Target Details

Background: Trophinin, also known as TRO or MAGED3, is an apical cell adhesion molecule that is implicated in the initial attachment during the process of embryo implantation and functions by mediating cell adhesion between trophoblastic and endometrial epithelial cells (1,2). Trophinin is a membrane protein expressed in chorionic villi trophoblasts and in maternal endometrial epithelial cells in an implantation-dependent manner and interacts with Bystin and Tastin, facilitating cell adhesion and embryo implantation (3,4). The induction of Trophinin expression may be a useful method for improving implantation rates and can be a potential diagnostic factor and biomarker for human cancer (4,5).

Molecular Weight: Predicted: 78, 157 kDa

Observed: 94 kDa

Gene ID: 7216

NCBI Accession: [NP_001034794](#)

UniProt: [Q12816](#)

Application Details

Application Notes: Trophinin antibody can be used for detection of Trophinin by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry at 10 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Trophinin antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

Storage Comment: Trophinin antibody can be stored at 4°C for three months and -20°C, stable for up to one year.