Datasheet for ABIN1410960

anti-EN1 antibody (AA 351-392) (Cy7)

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Overview

Quantity:	100 µL
Target:	EN1
Binding Specificity:	AA 351-392
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EN1 antibody is conjugated to Cy7
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EN1/Engrailed 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	EN1
Alternative Name:	EN1/Engrailed 1 (EN1 Products)

Target Details

Background:	Synonyms: En 1, EN1, Engrailed 1, Engrailed, Engrailed homeobox 1, Engrailed homolog 1, HME1_HUMAN, Homeobox protein en-1, Homeobox protein engrailed 1, Homeobox protein engrailed-1, Hu-En-1, Mo-en.1. Background: The engrailed-1 gene, EN1, a murine homolog of the Drosophila homeobox gene engrailed (EN), is required for midbrain and cerebellum development and dorsal/ventral patterning of the limbs as well as apical ectodermal ridge formation. In Drosophila, the EN gene plays an important role during development in segmentation, where it is required for the formation of posterior compartments. Human EN-1 and EN-2 are homeodomain-containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. Different mutations in the mouse homo-logs, EN-1 and EN-2, produce different developmental defects that frequently are lethal. EN-1 is highly expressed by essentially all dopaminergic neurons in the substantia nigra and ventral tegmentum. EN-1 and EN-2 regulate expres-sion of a-synuclein, a gene that is genetically linked to Parkinson?s disease.
Gene ID:	2019
UniProt:	Q05925
Pathways:	Dopaminergic Neurogenesis

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months