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Anti-N-Cadherin Rabbit mAb [10E01]

Catalog No.: A52230

Basic Information

Catalog No. (Cat.No.)	A52230
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	N-Cadherin,N-cadherin,CHC2

Product Information

Target	N-Cadherin
Molecular Weight(Calculated)	125 kDa
Molecular Weight(Observed)	130 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	10E01
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:500-1:2000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Neural cadherin
Gene Name	*CDH2*
Domain	NA
Background	N-cadherin (N-cadherin, cadherin-2) belongs to type-I membrane protein of cadherin superfamily and mediates Ca2+-dependent cell-cell adhesion and cell migration. Its extracellular domain mediates homophilic adhesion in calcium-dependent manner; intracellular tail recruits catenins to link actin cytoskeleton. N-cadherin is abundant in neural, mesenchymal and cardiac tissues. It participates in neurodevelopment, cardiogenesis and mesenchymal cell interaction. During epithelial-mesenchymal transition (EMT), N-cadherin is up-regulated to replace E-cadherin and enhances tumor migratory and invasive capacity, serving as canonical EMT biomarker. Aberrant N-cadherin correlates with poor clinical prognosis; its adhesive activity dynamically controls cell motility and tissue morphogenesis.