



Mouse Anti-Human p120 Catenin monoclonal antibody, clone JID231 (CABT-L2822)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human p120 Catenin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID231
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Lobular Breast Carcinoma
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	p120 Catenin is a nucleolar protein belonging to the armadillo protein family, which are involved in cell-cell adhesion and signal transduction. p120 Catenin is associated with proliferation, and is found in the majority of human malignant tumors, while remaining absent from resting normal cells. Anti-p120 Catenin is useful in differentiating between ductal and lobular neoplasia in the breast, and strong staining with Anti-p120 Catenin is associated with discohesive infiltrative morphology in gastric and colonic carcinoma. Accumulation of p120 Catenin in the cytoplasm has been linked to lung cancer, pancreatic cancer, and gastric cancer, and is correlated to poor prognosis in colon cancer.
Keywords	p120 Catenin;p120

GENE INFORMATION

Gene Name	CTNND1 catenin (cadherin-associated protein), delta 1 [Homo sapiens (human)]
Official Symbol	CTNND1
Synonyms	CTNND1; catenin (cadherin-associated protein), delta 1; CAS; p120; CTNND; P120CAS; P120CTN; p120(CAS); p120(CTN); catenin delta-1; p120 catenin; cadherin-associated Src substrate;
Entrez Gene ID	1500
Protein Refseq	NP_001078927
UniProt ID	O60716
Chromosome Location	11q11
Pathway	Adherens junction; Adherens junctions interactions; Arf6 trafficking events; Cell junction organization; Cell-Cell communication; Cell-cell junction organization; E-cadherin signaling in keratinocytes; E-cadherin signaling in the nascent adherens junction;
Function	cadherin binding; protein binding; protein kinase binding; receptor binding;