Recombinant CDK8 Monoclonal Antibody

catalog number: AN301488L

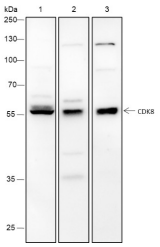
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Recombinant human CDk8 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A183
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100

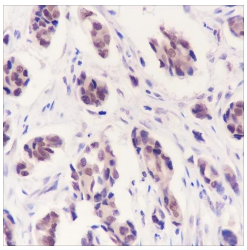
Data



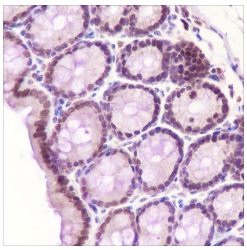
Western Blot with CDK8 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: K562, Lane 3: HCT-116

Observed-MW:53 kDa

Calculated-MW:53 kDa



Immunohistochemistry of paraffin-embedded Human breast cancer using CDK8 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Mouse colon using CDK8 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017

Cyclin-dependent kinase 8 (CDK8) is a cell cycle regulator, which can activate cyclin C, act in the G1/S phase, and regulate the normal cell cycle. CDK8 together with Cyclin, Med12 and Med13 form an intermediary complex, which is widely involved in the transmission of information between RNA polymerase II and gene-specific transcription factors, which can activate and inhibit transcription. In addition, CDK8 can activate a variety of signal transduction pathways such as Wnt/β-catenin and Notch, thereby inducing the occurrence and metastasis of malignant tumors such as rectal cancer and melanoma. Recent studies have found that blocking the activity of CDK8 gene can greatly reduce the glucose utilization rate of cancer cells.

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