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Datasheet for ABIN7436819
anti-eIF4EBP1 antibody (AA 2-118)

3 Images

Overview

Quantity:	100 µL
Target:	eIF4EBP1 (EIF4EBP1)
Binding Specificity:	AA 2-118
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Purpose:	Polyclonal Antibody to Eukaryotic Translation Initiation Factor 4E Binding Protein 1 (EIF4EBP1)
Immunogen:	Recombinant Eukaryotic Translation Initiation Factor 4E Binding Protein 1 (EIF4EBP1) corresponding to Ser2-Ile118 (Accession # Q13541) with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against EIF4EBP1. It has been selected for its ability to recognize EIF4EBP1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

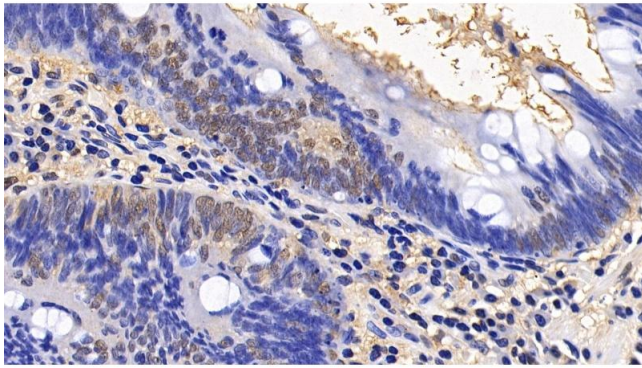
Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	Eukaryotic Translation Initiation Factor 4E Binding Protein 1 (EIF4EBP1 Products)
Background:	4EBP1, BP-1, PHAS-I, Phosphorylated Heat And Acid-Stable Protein Regulated By Insulin 1
Pathways:	MAPK Signaling , PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Regulation of Cell Size , BCR Signaling

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:200-800 Immunohistochemistry: 5-20 µg/mL 1:20-80 Immunocytochemistry: 5-20 µg/mL 1:20-80 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

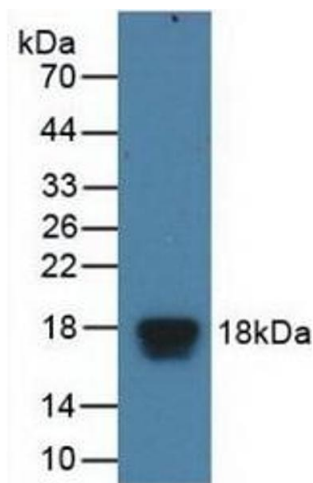
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



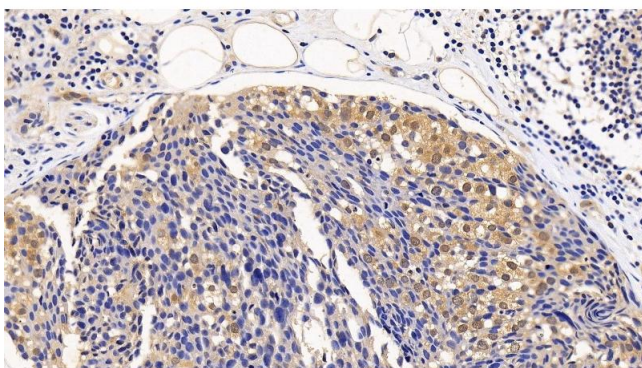
Immunohistochemistry

Image 1. Detection of EIF4EBP1 in Human Colorectal cancer Tissue using Polyclonal Antibody to Eukaryotic Translation Initiation Factor 4E Binding Protein 1 (EIF4EBP1)



Western Blotting

Image 2. Detection of Recombinant EIF4EBP1, Human using Polyclonal Antibody to Eukaryotic Translation Initiation Factor 4E Binding Protein 1 (EIF4EBP1)



Immunohistochemistry

Image 3. Detection of EIF4EBP1 in Human Breast cancer Tissue using Polyclonal Antibody to Eukaryotic Translation Initiation Factor 4E Binding Protein 1 (EIF4EBP1)