Datasheet for ABIN629690
anti-OTC antibody (N-Term)

2	Images

Go to Product page

Overview

Quantity:	100 μg
Target:	OTC
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OTC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	OTC antibody was raised using the N terminal of OTC corresponding to a region with amino acids AFRNGHNFMVRNFRCGQPLQNKVQLKGRDLLTLKNFTGEEIKYMLWLSAD
Specificity:	OTC antibody was raised against the N terminal of OTC
Purification:	Purified

Target Details

Target:	OTC
Alternative Name:	OTC (OTC Products)
Background:	OTC is a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it may play a

Target Details

	role in that disease also.
Molecular Weight:	39 kDa (MW of target protein)

Application Details

Application Notes:	WB: 2.5 µg/mL, IHC: 4-8 µg/mL Optimal conditions should be determined by the investigator.
Comment:	OTC Blocking Peptide, catalog no. 33R-1173, is also available for use as a blocking control in assays to test for specificity of this OTC antibody
Restrictions:	For Research Use only

Handling

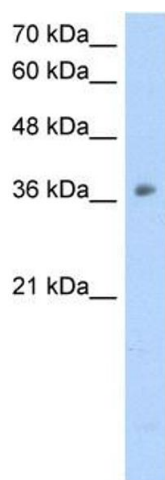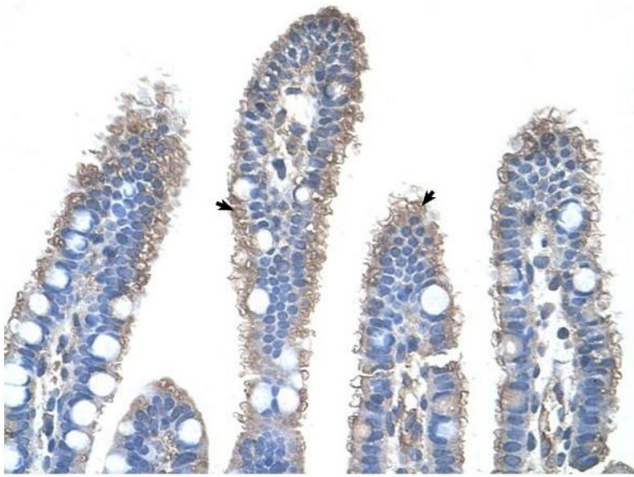|	
Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of OTC antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

Images

Western Blotting

Image 1. OTC antibody used at 2.5 ug/ml to detect target protein.

Images

Immunohistochemistry

Image 2. OTC antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of intestinal villus (arrows) in Human Intestine. Magnification is at 400X