Datasheet for ABIN361383

anti-THRA antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	THRA
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This THRA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH
Clone:	1718
Isotype:	IgG2a
Specificity:	Specific for the ~50k TR-a1 and the ~58k TR-a2 protein.
Cross-Reactivity:	Human, Rat (Rattus)
Predicted Reactivity:	canine, mouse, non-human primate
Purification:	Protein G purified culture supernatant

Target Details

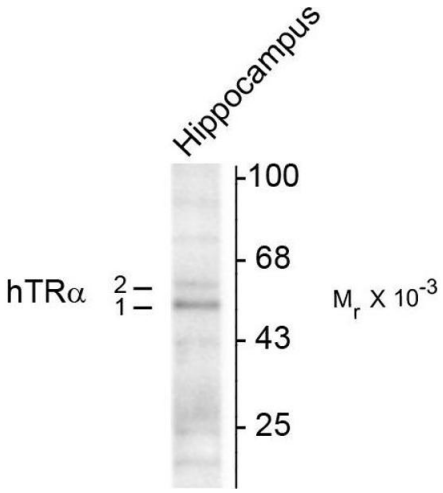
Target:	THRA
Alternative Name:	THRA (THRA Products)
Background:	Thyroid hormones are essential for development of the central nervous system and deficits in these hormones during development affects such cognitive functions as learning and memory (Ambrogini et al., 2005, Chan and Kilby, 2000). Thyroid hormones exert their physiological role mainly through binding to specific nuclear receptors including the predominant isoforms of thyroid hormone receptors TRa1, TRa2, TR 1 and TR 2. TRa1, TR 1 and TR 2 bind T3 with high affinity and also bind to thyroid hormone response elements (TREs) on chromatin to regulate the transcriptional processes in several target tissues, including adult rat brain (Constantinou et al., 2005). Anti-Thyroid Hormone Receptor, a1/a2-Isotype Western blot of hippocampal lysate showing specific immunolabeling of the ~50k TR-a1 and the ~58k TR-a2 protein.
Molecular Weight:	50/58 kDa
Gene ID:	7067
UniProt:	P10827
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Sensory Perception of Sound, Cellular Response to Molecule of Bacterial Origin, Regulation of Lipid Metabolism by PPARalpha, Regulation of Muscle Cell Differentiation, Maintenance of Protein Location, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Recommended Dilution: WB: 1:1000 Quality Control: Western blots performed on each lot.
Restrictions:	For Research Use only

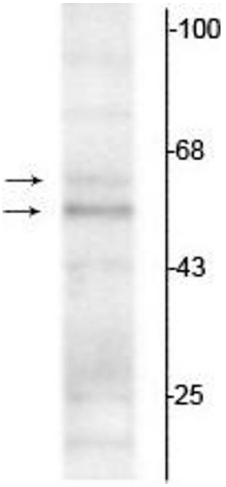
Handling

Format:	Liquid
Buffer:	100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50 % glycerol.
Storage:	-20 °C



Western Blotting

Image 1. Western blots of hippocampal lysate showing specific immunolabeling of the ~50k TR-a1 and the ~58k TR-a2 protein.



Western Blotting

Image 2. Western blot of rat hippocampal lysate showing specific immunolabeling of the ~50 kDa TR-α1 and the ~58 kDa TR-α2 protein.