Best Tools for immunology Research

Total CtBP2 Cell-Based Colorimetric ELISA Kit

Catalog No :	KA3651C
Reactivity :	Human;Mouse;Rat
Applications :	ELISA
Gene Name :	CTBP2
Human Gene Id :	1488
Human Swiss Prot No :	P56545
Mouse Swiss Prot No :	P56546
Rat Swiss Prot No :	Q9EQH5
Storage Stability :	2-8°C/6 months
Detection Method :	Colorimetric
Background :	function:Corepressor targeting diverse transcription regulators. Isoform 2 probably acts as a scaffold for specialized synapses.,PTM:Isoform 2 is phosphorylated upon DNA damage, probably by ATM or ATR at Thr-179; Ser-181 and Ser-185. Phosphorylation by HIPK2 on Ser-428 induces proteasomal degradation.,similarity:Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.,subunit:Interacts with the C-terminus of adenovirus E1A protein. Can form homodimers or heterodimers of CTBP1 and CTBP2. Interacts with HIPK2 (By similarity). Interacts with PNN, NRIP1 and WIZ.,tissue specificity:Ubiquitous. Highest levels in heart, skeletal muscle, and pancreas.,
Function :	regulation of transcription, DNA-dependent, negative regulation of cell proliferation, negative regulation of biosynthetic process, negative regulation of macromolecule biosynthetic process, negative regulation of macromolecule metabolic process, negative regulation of gene expression, viral reproduction, negative regulation of transcription, viral infectious cycle, viral genome replication, viral reproductive process, negative regulation of cellular biosynthetic process, regulation of cell proliferation, fat cell differentiation, regulation of transcription, negative regulation of transcription, DNA-dependent, negative regulation of nucleobase, nucleoside, nucleotide and

	nucleic acid metabolic process, white fat cell differentiation, negative regulation of nitrogen compound metabolic process,regulation of RNA metabolic process, negative regulation of RNA metabolic process, oxidation red
Subcellular Location :	Nucleus . Cell junction, synapse .
Expression :	Ubiquitous. Highest levels in heart, skeletal muscle, and pancreas.

Products Images