E2A (Phospho Thr355) Rabbit pAb

CatalogNo: YP1092

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• IHC,IF,ELISA

MW	Isotype
• 68kD (Calculated)	• IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC 1:100-1:300
ELISA 1:5000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human E2A around the phosphorylation site of Thr355. AA range:321-370
Specificity	Phospho-E2A (T355) Polyclonal Antibody detects endogenous levels of E2A protein only when phosphorylated at T355.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PStPV

Target Information

Gene name TCF3

Protein Name Transcription factor E2-alpha

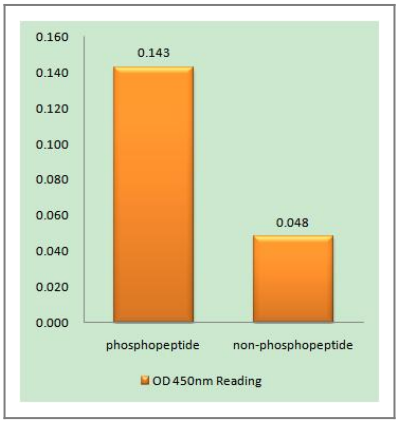
Organism	Gene ID	UniProt ID
Human	6929;	P15923;
Mouse	21423;	P15806;
Rat	171046;	P21677;

Cellular Localization Nucleus .

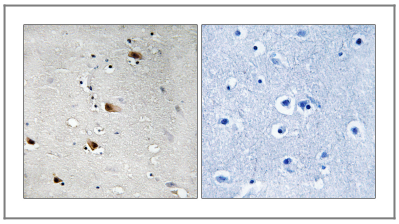
Tissue specificity Lymphoma ,Muscle ,PCR rescued clones ,

Function Disease:Chromosomal aberrations involving TCF3 are cause of forms of pre-B-cell acute lymphoblastic leukemia (B-ALL) . Translocation t (1;19) (q23;p13.3) with PBX1; Translocation t (17;19) (q22;p13.3) with HLF. Inversion inv (19) (p13;q13) with TFPT. ,Function:Heterodimers between TCF3 and tissue-specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis , like muscle or early B-cell differentiation. Dimers bind DNA on E-box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. ,PTM:Phosphorylated following NGF stimulation. ,similarity:Contains 1 basic helix-loop-helix (bHLH) domain. ,subunit:Efficient DNA binding requires dimerization with another bHLH protein. Forms a heterodimer with ASH1 and TWIST2. Isoform E12 interacts with GRIPE and FIGLA (By similarity) . Interacts with PTF1A and TGFB1I1. Component of a nuclear TAL-1 complex composed at least of CBFA2T3 , LDB1 , TAL1 and TCF3 (By similarity) . Interacts with UBE2I. ,

Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using E2A (Phospho-Thr355) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using E2A (Phospho-Thr355) Antibody. The picture on the right is blocked with the phospho peptide.

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
E2A (Phospho Thr355) Rabbit pAb

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