

## E2A (Phospho-Thr355) Antibody

Catalog No: #11798

Package Size: #11798-1 50ul #11798-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

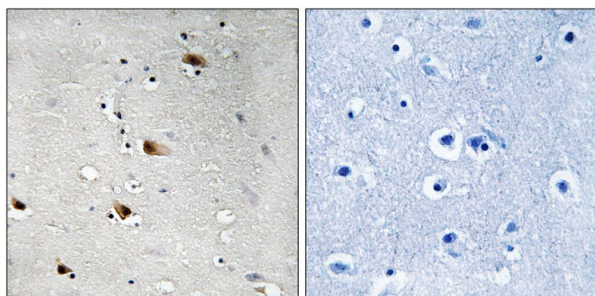
## Description

Product Name	E2A (Phospho-Thr355) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of E2A only when phosphorylated at threonine 355.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 355 (P-S-T(p)-P-V) derived from Human E2A .
Target Name	E2A
Modification	Phospho
Other Names	E12; Tran; TCF3; TFE2; ITF1
Accession No.	Swiss-Prot#: P15923; NCBI Gene#: 6929; NCBI Protein#: NP_003191.1.
Uniprot	P15923
GeneID	6929;
SDS-PAGE MW	67kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using E2A (Phospho-Thr355) antibody #11798 (left) or the same antibody preincubated with blocking peptide (right).

## Background

E2A is a transcription factor that plays major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Heterodimers between E2A and tissue-specific basic helix-loop-helix (bHLH) Dimers bind DNA on E-box motifs: 5'- CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. Deletions in E2A have been observed in a subset of pre-B-cell acute lymphoblastic leukemia (B-ALL) cases. Two alternatively spliced human isoforms have been described.

Kamps M.P., Cell 60:547-555(1990).

Nourse J., Cell 60:535-545(1990).

Grimwood J., Nature 428:529-535(2004).

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Note: This product is for in vitro research use only