

Anti-E2A Rabbit pAb

Purified Rabbit Polyclonal Antibody

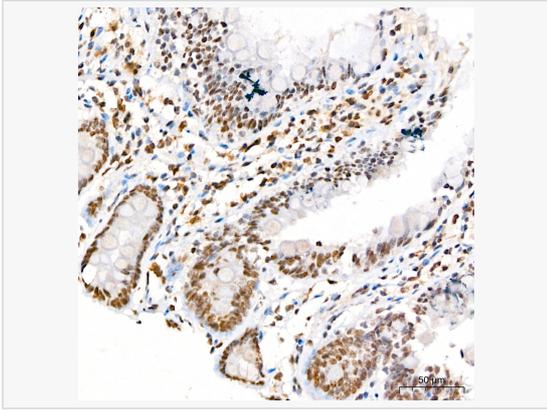
Catalog # P104979

Product Information

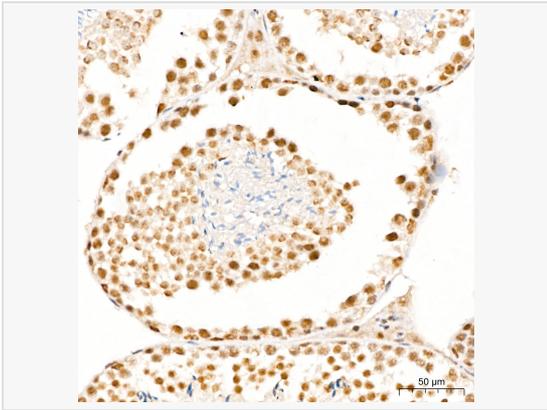
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| Application | WB, IHC-P/IF (Tissue-P), ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant fusion protein containing a sequence corresponding to amino acids 450-525 of human E2A. (P15923). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-E2A Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

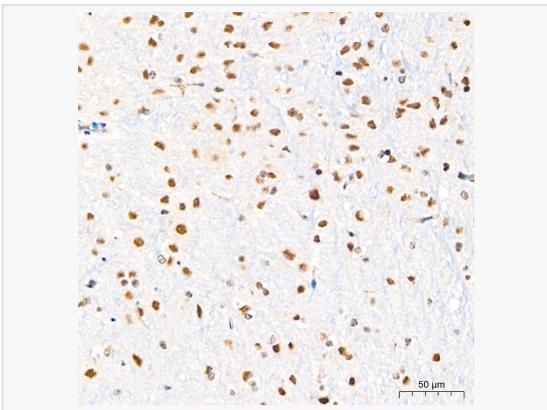
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| Synonyms | E2A; E47; p75; AGM8; ITF1; VDIR; AGM8A; AGM8B; TCF-3; bHLHb21. |
| Calculated MW | Calculated MW: 68 kDa; Observed MW: 75 kDa |
| Uniprot ID | P15923 |
| Gene ID | 6929 |
| Background | This gene encodes a member of the E protein (class I) family of helix-loop-helix transcription factors. E proteins activate transcription by binding to regulatory E-box sequences on target genes as heterodimers or homodimers, and are inhibited by heterodimerization with inhibitor of DNA-binding (class IV) helix-loop-helix proteins. E proteins play a critical role in lymphopoiesis, and the encoded protein is required for B and T lymphocyte development. Deletion of this gene or diminished activity of the encoded protein may play a role in lymphoid malignancies. This gene is also involved in several chromosomal translocations that are associated with lymphoid malignancies including pre-B-cell acute lymphoblastic leukemia (t(1;19), with PBX1), childhood leukemia (t(19;19), with TFPT) and acute leukemia (t(12;19), with ZNF384). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9. |



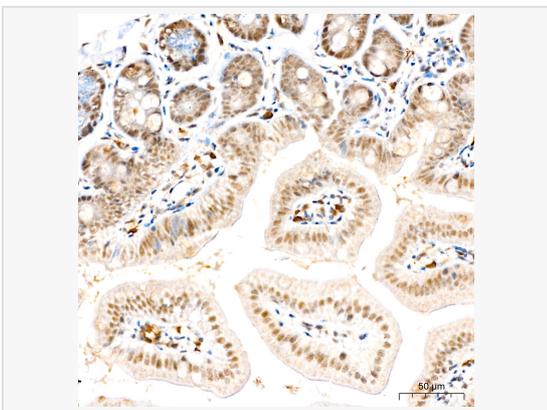
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using E2A Rabbit pAb (P104979) at a dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



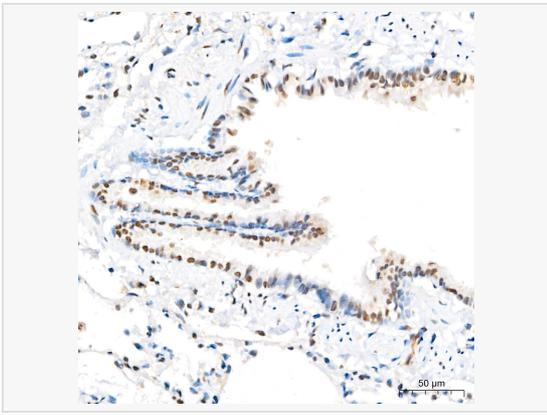
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using E2A Rabbit pAb (P104979) at a dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



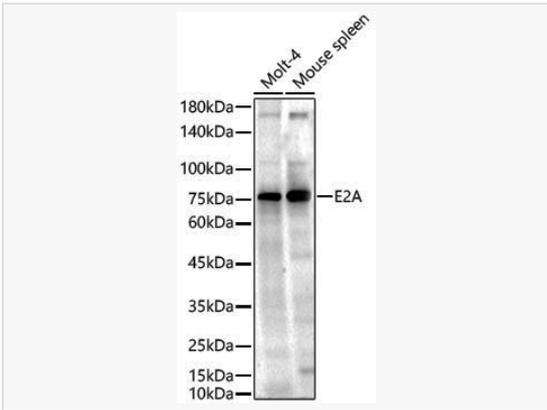
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using E2A Rabbit pAb (P104979) at a dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using E2A Rabbit pAb (P104979) at a dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using E2A Rabbit pAb (P104979) at a dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Western blot analysis of various lysates, using E2A Rabbit pAb (P104979) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 30s.