

## Cux2 Rabbit pAb

Catalog Number: bs-11832R

Target Protein: Cux2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Pig, Sheep, Cow, Dog)

Predicted MW: 162 kDa

Entrez Gene: 23316

Swiss Prot: O14529

Source: KLH conjugated synthetic peptide derived from human Cux2: 1001-1085/1486.

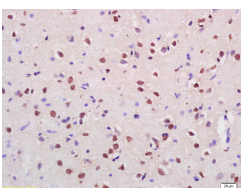
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

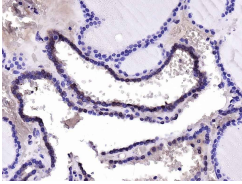
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Cux2 is a marker for cortical subpopulations. Cux2 is an orthologue of the Drosophila cut gene, which encodes a homeodomain protein involved in neuronal specification. During cortical development Cux2 identifies two subpopulations with different spatial origins, migratory behaviours and phenotypic characteristics: (i) a population of interneurons, which invades the pallium from the subpallium; and (ii) a neuronal population produced in the pallium around embryonic day 11.5, which divides in the SVZ and accumulates in the intermediate zone (IZ). Subsequently, Cux2 is a marker of upper cortical layers.

### VALIDATION IMAGES



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Cux2 Polyclonal Antibody, Unconjugated (bs-11832R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (human thyroid gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cux2) Polyclonal Antibody, Unconjugated (bs-11832R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

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**[IF=45.5]** Jessica E. Rexach. et al. Cross-disorder and disease-specific pathways in dementia revealed by single-cell genomics. CELL. 2024 Oct;187:5753-5774.e28 ; . 39265576

**[IF=2.74]** Spinelli M et al. Synthetic PreImplantation Factor (sPIF) reduces inflammation and prevents preterm birth. PLoS One . 2020 Jun 8;15(6):e0232493. IHC ; Mouse . 32511256