

bs-11832R**[Primary Antibody]****Cux2 Rabbit pAb****Bioss**
ANTIBODIES

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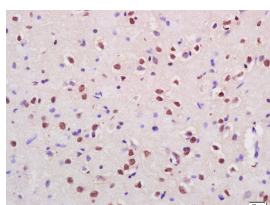
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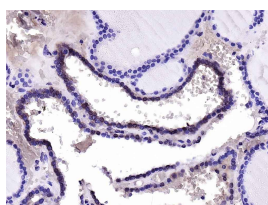
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 23316	SWISS: O14529	
Target: Cux2		
Immunogen: KLH conjugated synthetic peptide derived from human Cux2: 1001-1085/1486.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Reactivity: Human, Rat (predicted: Mouse, Pig, Sheep, Cow, Dog)
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.		Predicted MW.: 162 kDa
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.		Subcellular Location: Nucleus

— 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.

— SELECTED CITATIONS —

- **[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