SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-Cux2 antibody

Catalog Number: SL23125R

FOR RESEARCH USE ONLY

[DATASHEET]

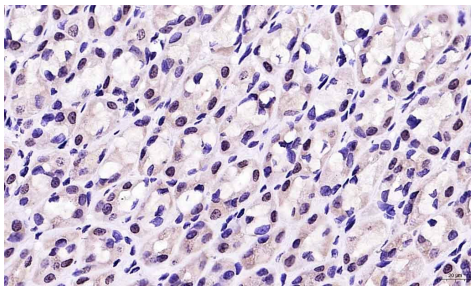
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Cux2
Immunogen:	KLH conjugated synthetic peptide derived from human Cux2: 741-840/1486
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Pig,Cow,Rabbit)
Predicted MW.:	162kDa
Subcellular Location:	The nucleus
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. **Function:** May be a transcription factor involved in neural specification. Binds to DNA in a sequence-specific manner **Subcellular Location:** Nuclear **Similarity:** Belongs to the CUT homeobox family.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Contains 3 CUT DNA-binding domains. Contains 1 homeobox DNA-binding domain. **Database links:** **Entrez Gene:** 23316 Human **Entrez Gene:** 13048 Mouse **Entrez Gene:** 288665 Rat Omim: 610648 Human **SwissProt:** O14529 Human **SwissProt:** P70298 Mouse **Unigene:** 124953 Human **Unigene:** 156172 Mouse **Unigene:** 332661 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (SL23125R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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