



Rabbit Anti-UNCX antibody

SL12043R

Product Name:	UNCX
Chinese Name:	同源蛋白UNCX抗体
Alias:	Homeobox protein unc-4 homolog; Homeobox protein Uncx4.1; tcag7.1272; UNC homeobox; Unc4.1 homeobox; UNC4 HUMAN; Uncx; UNCX4.1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human UNCX:145-150/531
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a homeobox transcription factor that is involved in somitogenesis and neurogenesis and is required for the maintenance and differentiation of specific elements of the axial skeleton. This gene also plays a role in controlling the development of connections of hypothalamic neurons to pituitary elements, allowing central neurons to reach the peripheral blood circulation and deliver hormones that control peripheral functions. The expression of this gene is associated with an increased frequency of acute

myeloid leukemia. [provided by RefSeq, Jul 2017]

Function:

Transcription factor involved in somitogenesis and neurogenesis. Required for the maintenance and differentiation of particular elements of the axial skeleton. May act upstream of PAX9. Plays a role in controlling the development of connections of hypothalamic neurons to pituitary elements, allowing central neurons to reach the peripheral blood circulation and to deliver hormones for control of peripheral functions.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the paired homeobox family. Unc-4 subfamily.
Contains 1 homeobox DNA-binding domain.

SWISS:

A6NJT0

Gene ID:

340260

Database links:

[Entrez Gene: 340260](#)Human

[Entrez Gene: 22255](#)Mouse

[Entrez Gene: 29375](#)Rat

[SwissProt: A6NJT0](#)Human

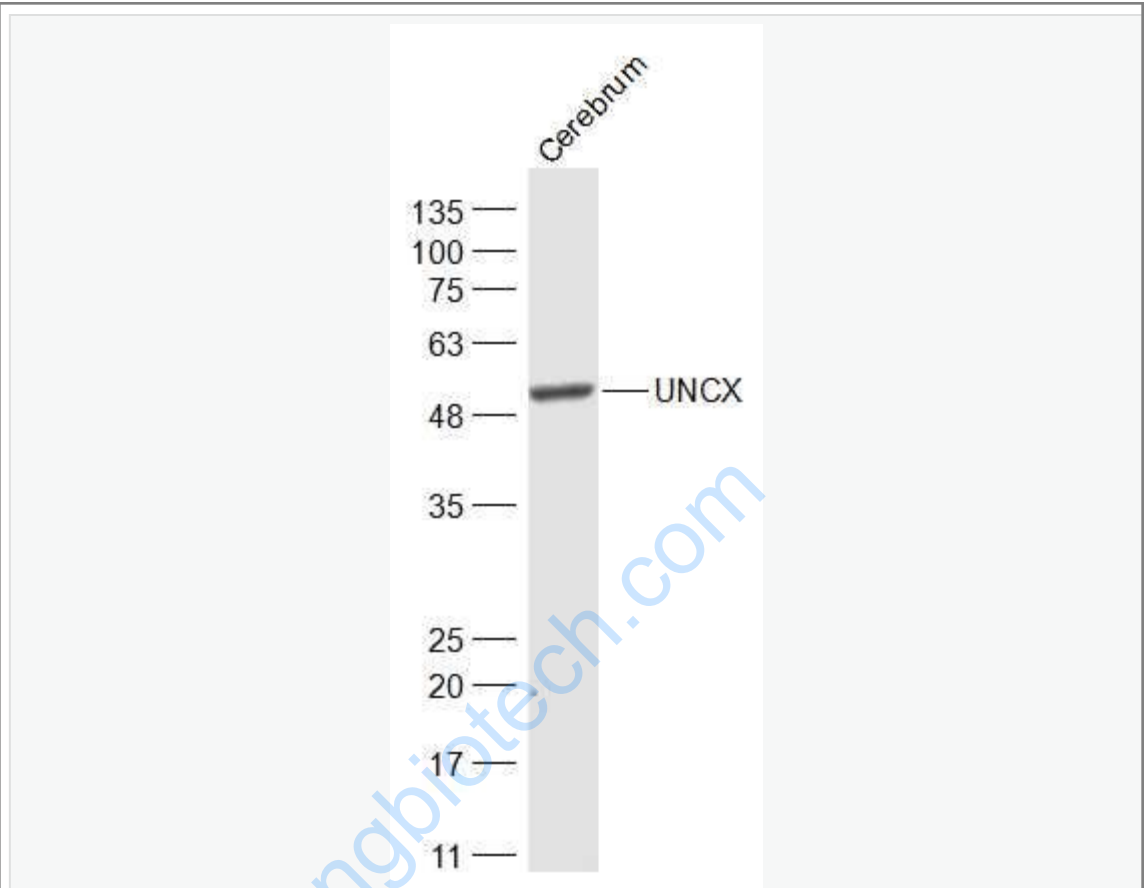
[SwissProt: O08934](#)Mouse

[SwissProt: P97830](#)Rat

Important Note:

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

Picture:



Sample:

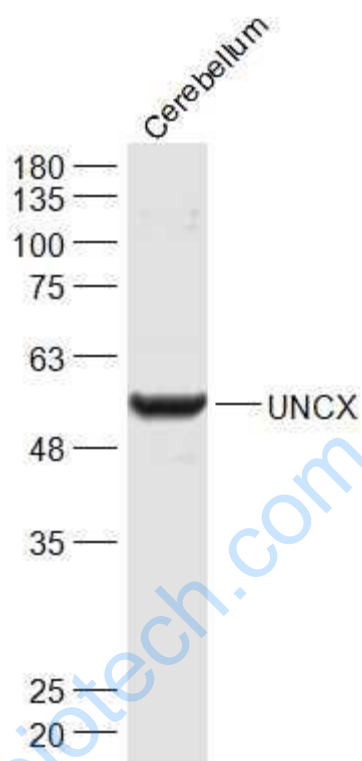
Cerebrum (Rat) Lysate at 40 ug

Primary: Anti-UNCX (SL12043R) at 1/5000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

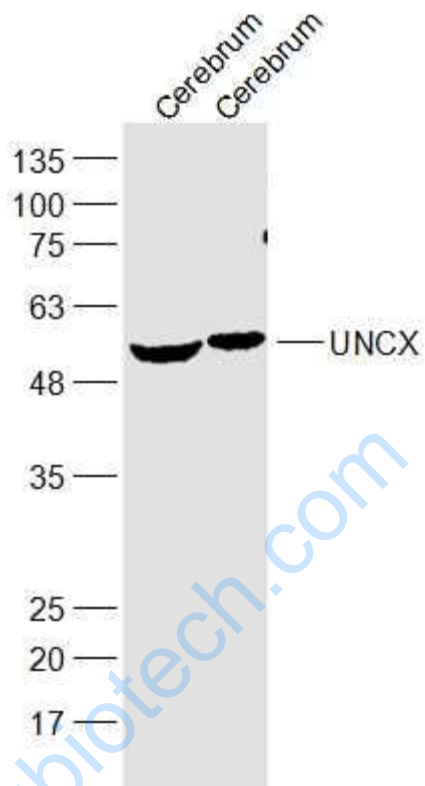
Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti-UNCX (SL12043R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 55 kD



Sample:

Cerebrum (Mouse) Lysate at 40 ug

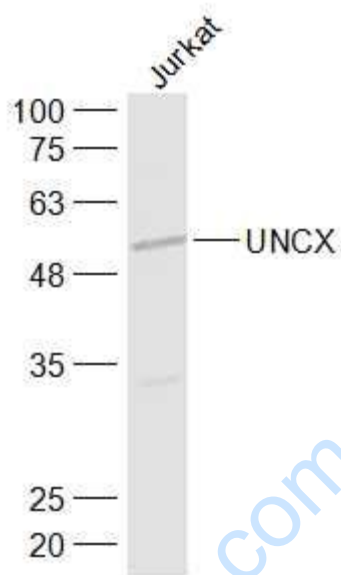
Cerebrum (Rat) Lysate at 40 ug

Primary: Anti-UNCX (SL12043R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

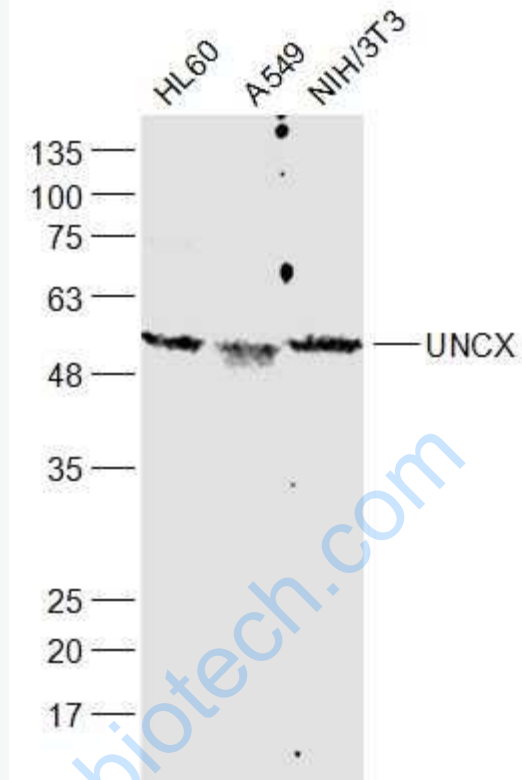
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-UNCX (SL12043R) at 1/5000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

HL60(Human) Cell Lysate at 30 ug

A549(Human) Cell Lysate at 30 ug

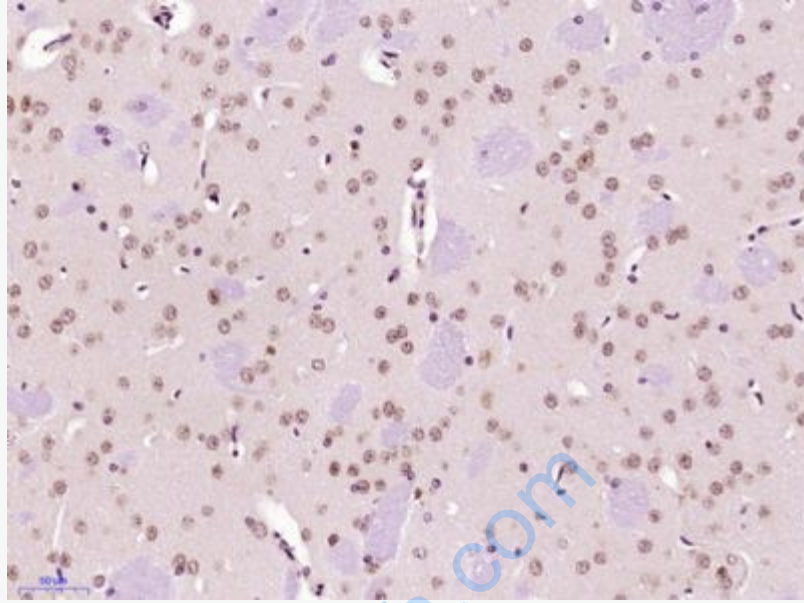
NIH/3T3(Mouse) Cell Lysate at 30 ug

Primary: Anti-UNCX (SL12043R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (UNCX) Polyclonal Antibody, Unconjugated (SL12043R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.