



## Rabbit Anti-TBL1X/SMAP55 antibody

SL4219R

<b>Product Name:</b>	TBL1X/SMAP55
<b>Chinese Name:</b>	转导素β1X连锁蛋白抗体
<b>Alias:</b>	TBL1; EBI; F box like/WD repeat protein TBL1X; SMAP 55; SMAP55; TBL 1; TBL1X; Transducin (beta) like 1; Transducin (beta) like 1 X linked; Transducin beta like 1 X linked; Transducin beta like 1X; Transducin beta like 1X protein; TBL1X_HUMAN; F-box-like/WD repeat-containing protein TBL1X; Full=Transducin beta-like protein 1X; Transducin-beta-like protein 1, X-linked. .
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	63kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TBL1X:501-577/577
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene has sequence similarity with members of the WD40 repeat-containing protein family. The WD40 group is a large family of proteins, which appear to have a regulatory function. It is believed that the WD40 repeats mediate

protein-protein interactions and members of the family are involved in signal transduction, RNA processing, gene regulation, vesicular trafficking, cytoskeletal assembly and may play a role in the control of cytotypic differentiation. This encoded protein is found as a subunit in corepressor SMRT (silencing mediator for retinoid and thyroid receptors) complex along with histone deacetylase 3 protein. This gene is located adjacent to the ocular albinism gene and it is thought to be involved in the pathogenesis of the ocular albinism with late-onset sensorineural deafness phenotype. Four transcript variants encoding two different isoforms have been found for this gene. This gene is highly similar to the Y chromosome TBL1Y gene. [provided by RefSeq].

**Function:**

F-box-like protein involved in the recruitment of the ubiquitin/19S proteasome complex to nuclear receptor-regulated transcription units. Plays an essential role in transcription activation mediated by nuclear receptors. Probably acts as integral component of corepressor complexes that mediates the recruitment of the 19S proteasome complex, leading to the subsequent proteasomal degradation of transcription repressor complexes, thereby allowing cofactor exchange.

**Subunit:**

Component of the N-Cor repressor complex, at least composed of NCOR1, NCOR2, HDAC3, TBL1X, TBL1R, CORO2A and GPS2. Component of a E3 ubiquitin ligase complex containing UBE2D1, SIAH1, CACYBP/SIP, SKP1, APC and TBL1X. Probably part of other corepressor complexes, that do not contain NCOR1 and NCOR2. Interacts with histones H2B, H3a and H4.

**Subcellular Location:**

Nucleus (Probable).

**Tissue Specificity:**

Ubiquitous.

**Similarity:**

Belongs to the WD repeat EBI family.

Contains 1 F-box-like domain.

Contains 1 LisH domain.

Contains 8 WD repeats.

**SWISS:**

O60907

**Gene ID:**

6907

**Database links:**

[Entrez Gene: 426045](#) Chicken

[Entrez Gene: 515972](#) Cow

[Entrez Gene: 6907](#) Human

[Entrez Gene: 21372](#) Mouse

[Entrez Gene: 302711](#) Rat

[Entrez Gene: 560294](#) Zebrafish

[Omim: 300196](#) Human

[SwissProt: O60907](#) Human

[SwissProt: Q9QXE7](#) Mouse

[Unigene: 495656](#) Human

[Unigene: 258476](#) Mouse

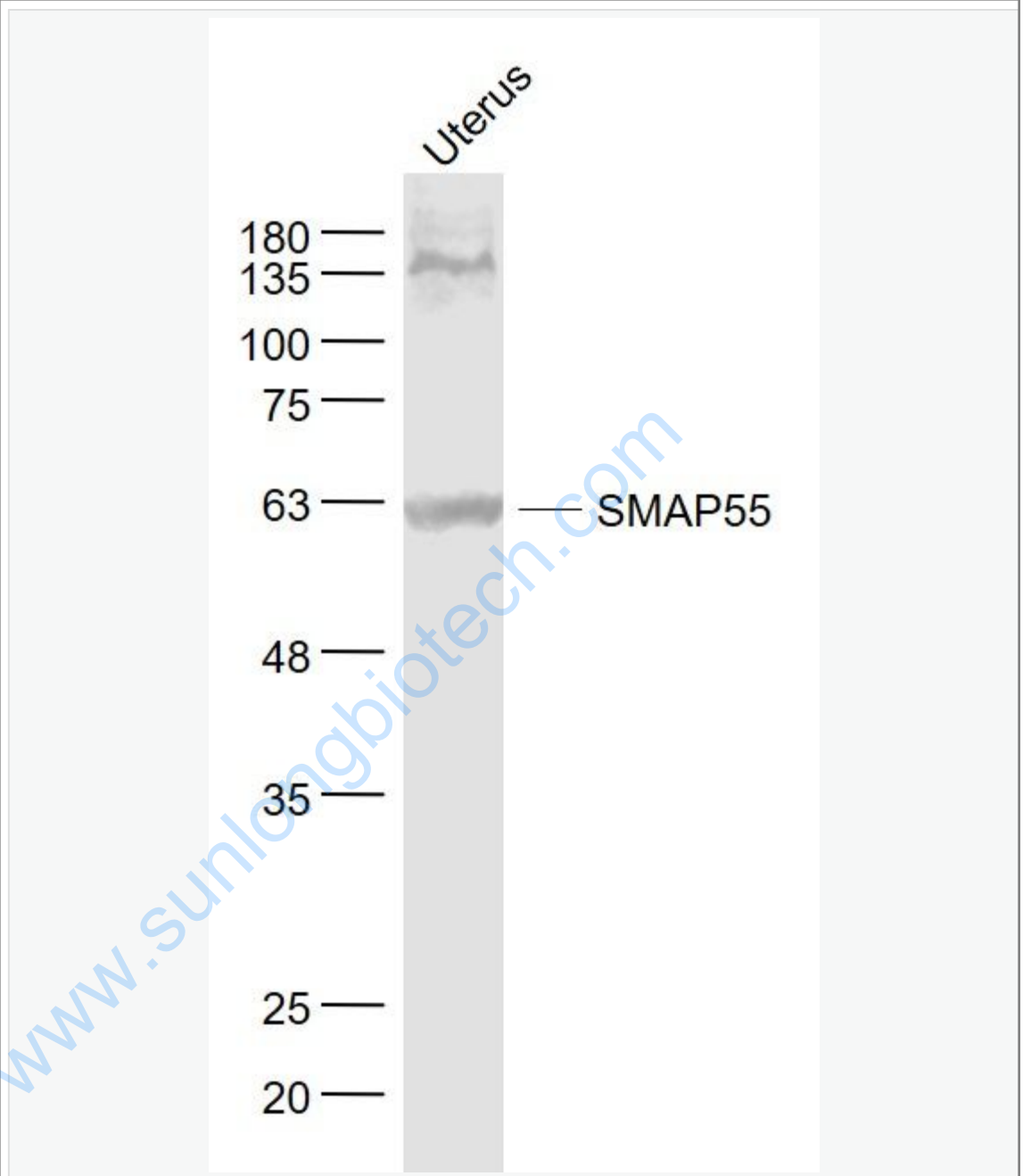
[Unigene: 107002](#) Rat

**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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Picture:



Sample:

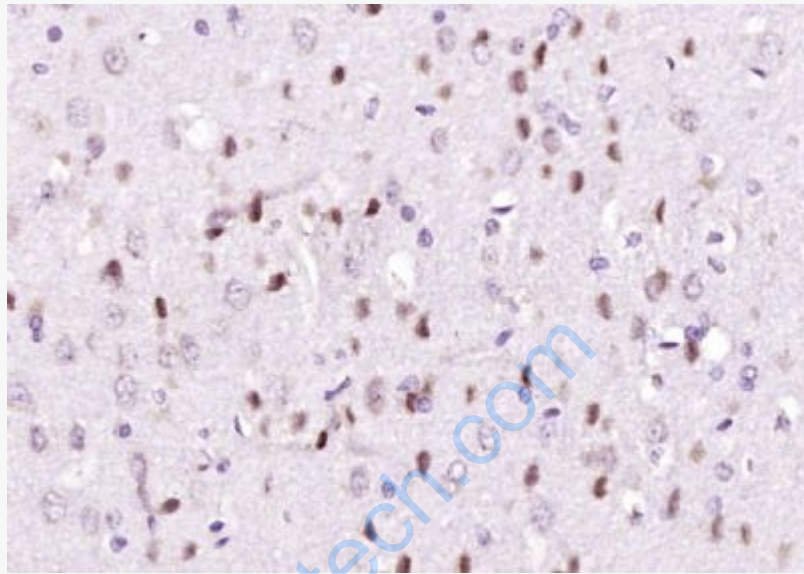
Uterus (Mouse) Lysate at 40 ug

Primary: Anti- SMAP55 (SL4219R) at 1/1000 dilution

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

Predicted band size: 63 kD

Observed band size: 63 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (TBL1X) Polyclonal Antibody, Unconjugated (SL4219R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.