DATASHEET

OXTR Rabbit Polyclonal Antibody

CAT. NO. ARA6290

KEY FEATURES

Target	OXTR	Source / Host	Rabbit
Reactivity	Human (Predicted: Mouse, Rat, Pig)	Clonality	Polyclonal
Applications	WB,IHC,IF/ICC,ELISA	Conjugation	Unconjugated
Storage	at -20°C		

BACKGROUND

OXTR is a G protein-coupled receptor for oxytocin. Ligand binding triggers signaling through G proteins and downstream effectors including phospholipase C. OXTR is mainly coupled to G(q) proteins and mediates production of DAG and IP3 second messengers, supporting calcium release from intracellular stores. Oxytocin/OXTR signaling is involved in biological processes such as parturition, lactation, and social behavior.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:200 - 1:800
IF/ICC	1:200 - 1:800
ELISA	User optimized

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit polyclonal antibody to OXTR
Specificity	Recognizes OXTR protein
Antibody Type	Primary antibody
Immunogen	Recombinant human OXTR protein, 327-389 aa.
Purification	Antigen affinity purification
Molecular Weight	Predicted: 43 kDa; Observed: 46/67 kDa
Form/Buffer	Liquid in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Alternative Names	OT R; OT-R; Oxytocin receptor
Gene Symbol	OXTR
Entrez Gene	5021(Human);
SwissProt	P30559(Human);

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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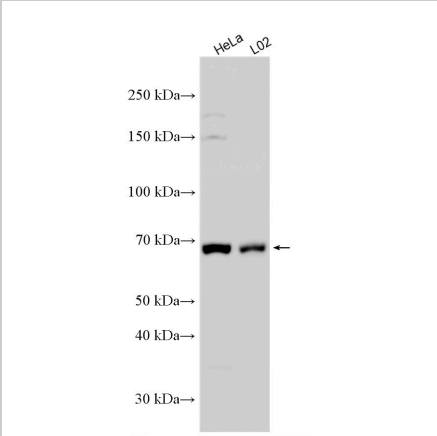
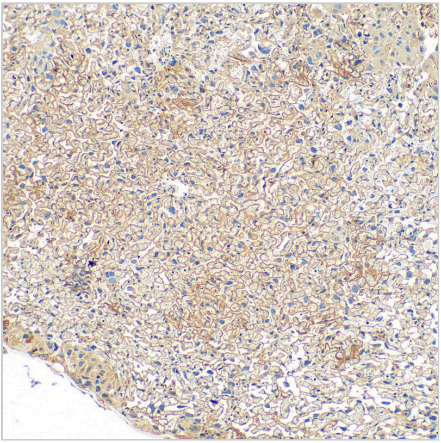
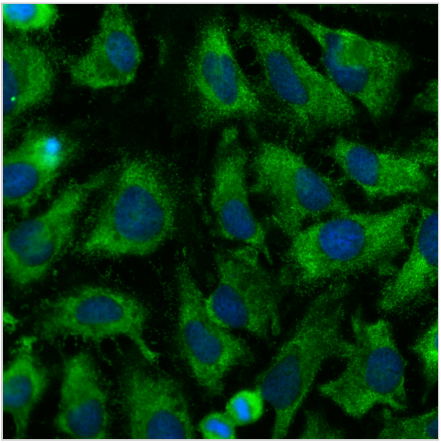
DATA



Various lysates were subjected to SDS PAGE followed by western blot with OXTR Rabbit Polyclonal Antibody at dilution of 1:500-1:2000 incubated at room temperature for 1.5 hours. Predicted molecular weight: 43 kDa; observed molecular weight: 46/67 kDa.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using OXTR Rabbit Polyclonal Antibody at dilution of 1:200-1:800. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of fixed HeLa cells using OXTR Rabbit Polyclonal Antibody at dilution of 1:200-1:800 and CoraLite 488-conjugated goat anti-rabbit IgG.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com