

Foxi3 (mouse) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3479a**Specification****Foxi3 (mouse) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	D3Z120
Other Accession	NP_001094934.1 , 232077 (mouse) , 502846 (rat)
Reactivity	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	42015

Foxi3 (mouse) Antibody (internal region) - Additional Information**Gene ID** 232077**Other Names**

Foxi3; forkhead box I3; forkhead box protein I3

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Foxi3 (mouse) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Foxi3 (mouse) Antibody (internal region) - Protein Information**Name** Foxi3 {ECO:0000303|PubMed:23441037, ECO:0000312|MGI:MGI:3511278}**Function**

Transcription factor required for pharyngeal arch development, which is involved in hair, ear, jaw and dental development (PubMed: [24650709](http://www.uniprot.org/citations/24650709), PubMed: [26550799](http://www.uniprot.org/citations/26550799), PubMed: [26992132](http://www.uniprot.org/citations/26992132), PubMed: [30467319](http://www.uniprot.org/citations/30467319)). May act as a pioneer transcription factor during pharyngeal arch development (PubMed: [26550799](http://www.uniprot.org/citations/26550799), PubMed: [26992132](http://www.uniprot.org/citations/26992132)).

target="_blank">26992132). Required for epithelial cell differentiation within the epidermis (PubMed:26450968). Acts at multiple stages of otic placode induction: necessary for preplacodal ectoderm to execute an inner ear program (PubMed:26550799). Required for hair follicle stem cell specification (PubMed:26992132). Acts downstream of TBX1 for the formation of the thymus and parathyroid glands from the third pharyngeal pouch (PubMed:31412026).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089, ECO:0000269|PubMed:30467319, ECO:0000269|PubMed:37041148}

Tissue Location

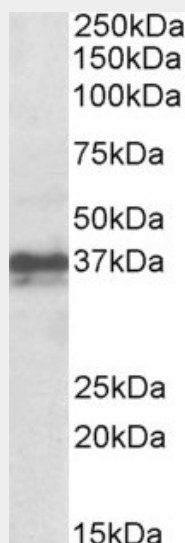
Specifically expressed in the epithelium in developing ectodermal appendages (PubMed:23441037). Expressed in pharyngeal endoderm and ectoderm (PubMed:24650709). Expressed in pre- placodal ectoderm (PubMed:26550799). Down-regulated as the otic placode is induced (PubMed:26550799). Expressed in teeth and hair follicles throughout embryogenesis (PubMed:23441037). Expressed in mammary glands only during the earliest stages of development (PubMed:23441037)

Foxi3 (mouse) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Foxi3 (mouse) Antibody (internal region) - Images



AF3479a (1 µg/ml) staining of Mouse Skin lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Foxi3 (mouse) Antibody (internal region) - References

A mutation in hairless dogs implicates FOXI3 in ectodermal development. DrÄ¶gemÄ¼ller C, Karlsson EK, HytÄ¶nen MK, Perloski M, Dolf G, Sainio K, Lohi H, Lindblad-Toh K, Leeb T, Science (New York, N.Y.) 2008 Sep 321 (5895): 1462. PMID: 18787161