

Anti-GLI / GLI1 Antibody (aa755-1106, clone 4E2)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS18231**Specification**

Anti-GLI / GLI1 Antibody (aa755-1106, clone 4E2) - Product Information

Application	WB, IHC-P
Primary Accession	P08151
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	117904

Anti-GLI / GLI1 Antibody (aa755-1106, clone 4E2) - Additional Information**Gene ID 2735**Alias Symbol **GLI1****Other Names**

GLI1, Gli-1, GLI family zinc finger 1, Glioma-associated oncogene, Glioma-associated oncogene 1, Oncogene GLI, GLI, Zinc finger protein GLI1

Target/Specificity

Human GLI / GLI1

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-GLI / GLI1 Antibody (aa755-1106, clone 4E2) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-GLI / GLI1 Antibody (aa755-1106, clone 4E2) - Protein Information**Name** GLI1**Synonyms** GLI**Function**

Acts as a transcriptional activator (PubMed: [19706761](http://www.uniprot.org/citations/19706761) target="_blank">19706761, PubMed: [10806483](http://www.uniprot.org/citations/10806483) target="_blank">10806483, PubMed: [19878745](http://www.uniprot.org/citations/19878745) target="_blank">19878745, PubMed: [24076122](http://www.uniprot.org/citations/24076122) target="_blank">24076122, PubMed: [24311597](http://www.uniprot.org/citations/24311597) target="_blank">24311597, PubMed: [24217340](http://www.uniprot.org/citations/24217340) target="_blank">24217340). Binds to the DNA consensus sequence 5'-GACCACCCA-3' (PubMed: [2105456](http://www.uniprot.org/citations/2105456) target="_blank">2105456),

PubMed:8378770, PubMed:24217340). Regulates the transcription of specific genes during normal development (PubMed:19706761). Plays a role in craniofacial development and digital development, as well as development of the central nervous system and gastrointestinal tract. Mediates SHH signaling (PubMed:19706761, PubMed:28973407). Plays a role in cell proliferation and differentiation via its role in SHH signaling (PubMed:11238441, PubMed:28973407).

Cellular Location

Cytoplasm. Nucleus. Note=Tethered in the cytoplasm by binding to SUFU (PubMed:10806483). Activation and translocation to the nucleus is promoted by interaction with STK36 (PubMed:10806483). Phosphorylation by ULK3 may promote nuclear localization (PubMed:19878745). Translocation to the nucleus is promoted by interaction with ZIC1 (PubMed:11238441)

Tissue Location

Detected in testis (at protein level) (PubMed:2105456). Testis, myometrium and fallopian tube. Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract (PubMed:19878745). Isoform 1 is detected in brain, spleen, pancreas, liver, kidney and placenta; isoform 2 is not detectable in these tissues (PubMed:19706761)

Anti-GLI / GLI1 Antibody (aa755-1106, clone 4E2) - 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](#)

Anti-GLI / GLI1 Antibody (aa755-1106, clone 4E2) - Images