

**HHEX / HEX Antibody (clone 3F4)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS17006****Specification**

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**HHEX / HEX Antibody (clone 3F4) - Product Information**

|                   |                            |
|-------------------|----------------------------|
| Application       | IHC-P, IF                  |
| Primary Accession | <a href="#">Q03014</a>     |
| Other Accession   | <a href="#">3087</a>       |
| Reactivity        | Human                      |
| Host              | Mouse                      |
| Clonality         | Monoclonal                 |
| Isotype           | IgG2b                      |
| Calculated MW     | 30022                      |
| Dilution          | IHC-P~~N/A<br>IF~~1:50~200 |

**HHEX / HEX Antibody (clone 3F4) - Additional Information****Gene ID** 3087**Other Names**

HHEX, HEX, HMPH, Homeobox protein HEX, HOX11L-PEN, PRHX, Homeobox protein PRH, PRH

**Target/Specificity**

Human HHEX / HEX

**Reconstitution & Storage**

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

**Precautions**

HHEX / HEX Antibody (clone 3F4) is for research use only and not for use in diagnostic or therapeutic procedures.

**HHEX / HEX Antibody (clone 3F4) - Protein Information****Name** HHEX**Synonyms** HEX, PRH, PRHX**Function**

Recognizes the DNA sequence 5'-ATTAA-3' (By similarity). Transcriptional repressor (By similarity). Activator of WNT-mediated transcription in conjunction with CTNNB1 (PubMed:<a href="http://www.uniprot.org/citations/20028982" target="\_blank">20028982</a>). Establishes anterior identity at two levels; acts early to enhance canonical WNT- signaling by repressing expression of TLE4, and acts later to inhibit NODAL-signaling by directly targeting NODAL (By similarity). Inhibits EIF4E-mediated mRNA nuclear export (PubMed:<a

[12554669](http://www.uniprot.org/citations/12554669)). May play a role in hematopoietic differentiation (PubMed: [8096636](http://www.uniprot.org/citations/8096636)).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P43120}. Nucleus, nuclear body. Cytoplasm

**Tissue Location**

Liver and promyelocytic leukemia cell line HL-60.

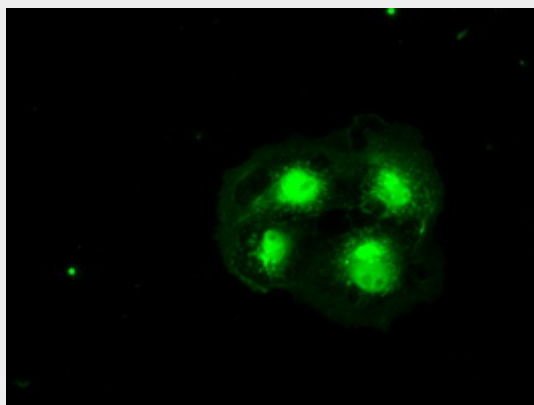
**HHEX / HEX Antibody (clone 3F4) - Protocols**

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

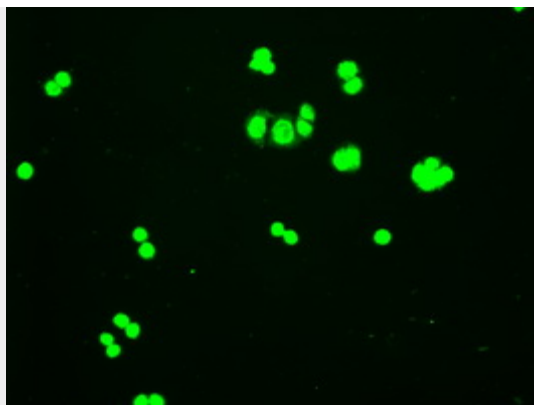
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HHEX / HEX Antibody (clone 3F4) - Images**

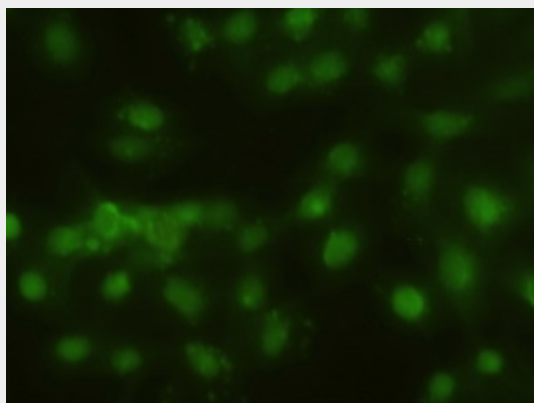
Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)



Anti-HHex mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...



Immunofluorescent staining of HT29 cells using anti-HHex mouse monoclonal antibody.



Immunofluorescent staining of HeLa cells using anti-HHex mouse monoclonal antibody.

#### **HHEX / HEX Antibody (clone 3F4) - Background**

Recognizes the DNA sequence 5'-ATTAA-3'. Transcriptional repressor. May play a role in hematopoietic differentiation. Establishes anterior identity at two levels; acts early to enhance canonical WNT-signaling by repressing expression of TLE4, and acts later to inhibit NODAL-signaling by directly targeting NODAL (By similarity).

#### **HHEX / HEX Antibody (clone 3F4) - References**

Crompton M.R.,et al.Nucleic Acids Res. 20:5661-5667(1992).  
Hromas R.A.,et al.Biochem. Biophys. Res. Commun. 195:976-983(1993).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Deloukas P.,et al.Nature 429:375-381(2004).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.