

(Mouse) Eras Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21087a

Specification

(Mouse) Eras Antibody (N-term) - Product Information

Application	WB, FC,E
Primary Accession	O7TN89
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24321

(Mouse) Eras Antibody (N-term) - Additional Information

Gene ID 353283

Other Names

GTPase ERas, E-Ras, Embryonic stem cell-expressed Ras, Eras

Target/Specificity

This Mouse Eras antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 19-52 amino acids from the N-terminal region of mouse Eras.

Dilution

WB~~1:1000

FC~~1:25

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

(Mouse) Eras Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

(Mouse) Eras Antibody (N-term) - Protein Information

Name Eras

Function Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the tumor-like growth properties of embryonic stem cells.

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side

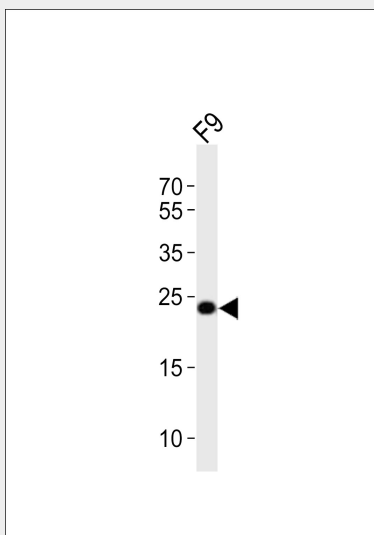
Tissue Location

Expressed in several undifferentiated mouse embryonic stem cell lines.

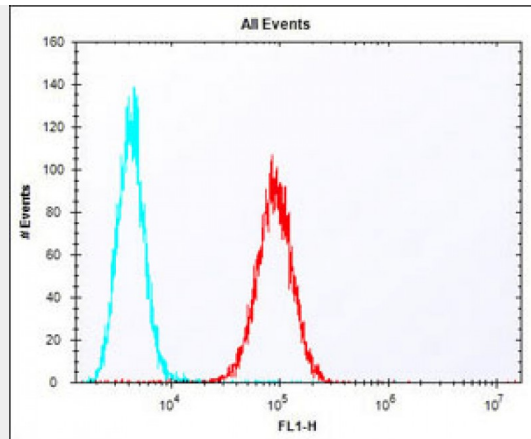
(Mouse) Eras Antibody (N-term) - Protocols

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](#)

(Mouse) Eras Antibody (N-term) - Images

Western blot analysis of lysate from mouse F9 cell line, using Eras Antibody (N-term)(Cat. #AP21087a). AP21087a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Overlay histogram showing F9 cells stained with AP21087a (red line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP21087a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

(Mouse) Eras Antibody (N-term) - Background

Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the tumor-like growth properties of embryonic stem cells.

(Mouse) Eras Antibody (N-term) - References

Takahashi K., et al. Nature 423:541-545(2003).
Carninci P., et al. Science 309:1559-1563(2005).