

GFP | Validation File

TARGET GFP (Green Fluorescence Protein from Aequorea victoria)

CLONE NAME LAS325A

DESCRIPTION Rat monoclonal

ANTIGEN USED HIS-GFP

ISOTYPE IgG1

SPECIES REACTIVITY Aequorea victoria

LOCALIZATION not expressed in mammary tissues

POSITIVE CONTROL GFP protein

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml

STORAGE Aliquot and store at 4C. Do not freeze



Recommended



Inconclusive



Not Recommended



Not Tested

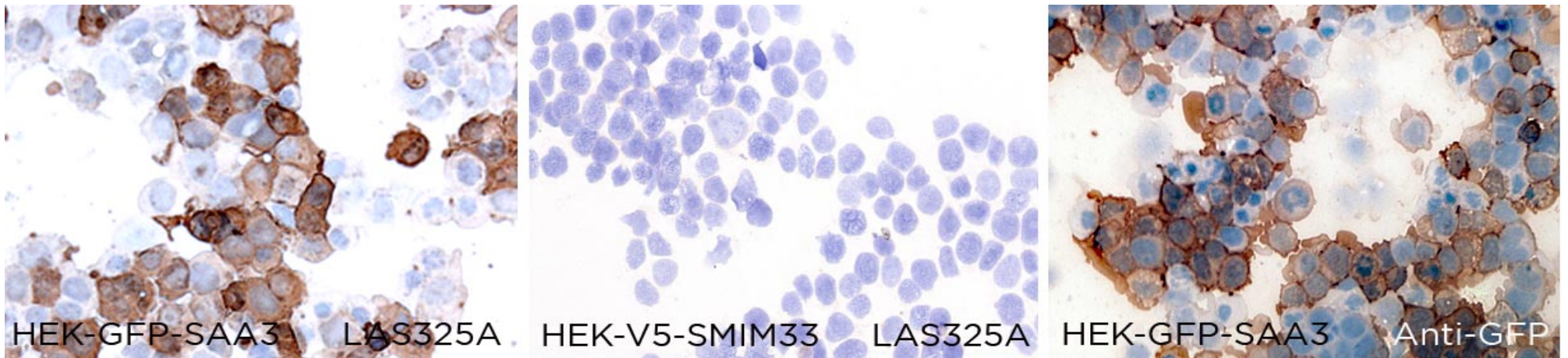
APPLICATIONS

● | ICC | Immunocytochemistry

LAS325A mAb is able to detect GFP protein in immunocytochemistry

DILUTION no dilution (neat supernatant)

To confirm that LAS325A mAb recognizes GFP protein, immunocytochemistry on frozen cytopins preparations of GFP-tagged mouse Saa3 expressed in HEK293T was performed. Cytopsin preparation of HEK-V5-SMIM33 transfected cells was used as a negative control. Labeling with the anti-GFP pAb (clone A11122) confirmed the efficiency of transfection.



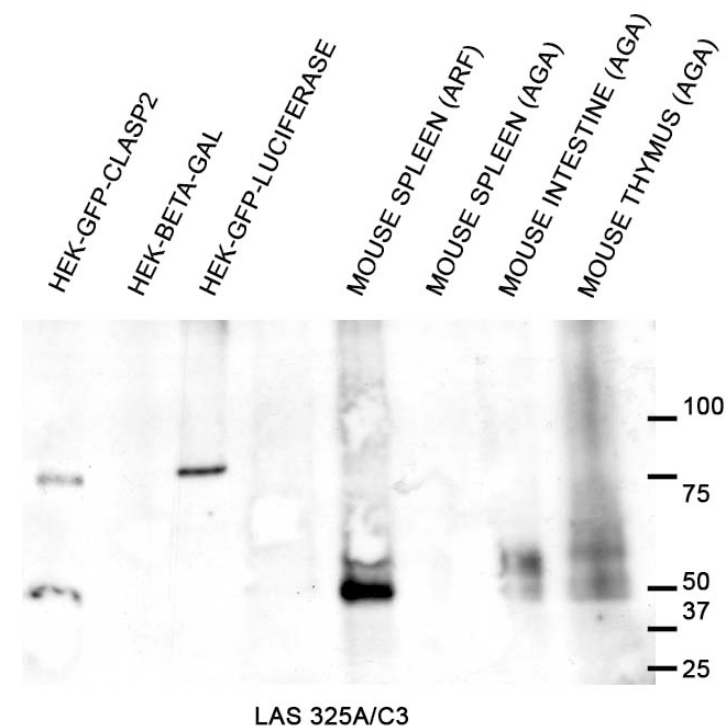
● | WB | Western Blotting

LAS325A mAb is able to detect GFP protein by WB.

DILUTION no dilution (neat supernatant)

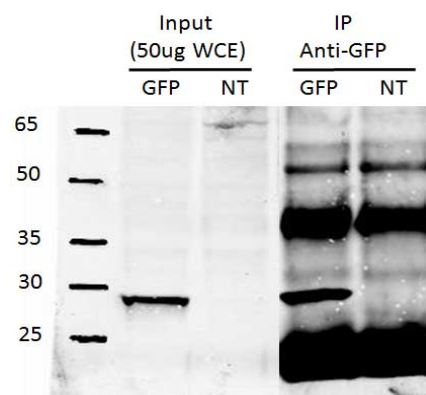
LANES

Lane 1 HEK-GFP-CLASP2 transfected cells	(0,1ug) (+) 80kDa
Lane 2 HEK-beta-gal transfected cells	(0,1ug) (+)
Lane 3 HEK-GFP-Luciferase transfected cells	(0,1ug) (+) 92kDa
Lane 4 Empty	
Lane 5 Mouse spleen extract (GFP+)	(0,1ug) (+)
Lane 6 Mouse spleen extract (Flt4-EGFPluc-KI)	(0,1ug) (-)
Lane 7 Mouse intestine extract (Flt4-EGFPluc-KI)	(0,1ug) (+) 57kDa
Lane 8 Mouse thymus extract (Flt4-EGFPluc-KI)	(0,1ug) (+) 57kDa



● | IP | **Immunoprecipitation** Not Tested

LAS325A mAb is able to detect GFP protein by IP.



Immunoprecipitation of total protein extracts from HEK293T cells transfected with GFP or untransfected (NT). Overnight incubation rotating 4°C with 4ul anti-GFP antibody LAS325A. Blot: Anti-GFP rabbit polyclonal antibody 1:1000 (A11122).

● | IHC-F | **Immunohistochemistry (frozen)** Not Recommended

● | IHC-P | **Immunohistochemistry (paraffin)** Not Recommended

● | IF | **Immunofluorescence (paraffin)** Not tested

● | FC | **Flow Cytometry** Not Tested

REFERENCES

High-mobility group box (TOX) antibody a useful tool for the identification of B and T cell subpopulation. Maestre L, García-García JF, Jiménez S, Reyes-García AI, García-González A, Montes-Moreno S, Arribas AJ, González-García P, Caleiras E, Banham AH, Piris MA and Roncador G. PlosOne. Plos One in press.