

For Research Use Only

FlexAble HRP Antibody Labeling Kit for Mouse IgG2a

Catalog Number: KFA045



Product Information

Product name	FlexAble HRP Antibody Labeling Kit for Mouse IgG2a
Assay type	Antibody labeling
Tested applications	IF, IHC, WB
Species Reactivity	Mouse IgG2a
Antibody amount per labeling reaction	0.5 µg antibody
Conjugate	HRP
Compatible with	HRP reactive substrates and tyramide reagents

Kit Components

Component	10 rxns	50 rxns	4×50 rxns
HRP FlexLinker for Mouse IgG2a	10 µL	50 µL	4×50 µL
FlexQuencher for Mouse IgG2a	20 µL	100 µL	4×100 µL
FlexBuffer	100 µL	500 µL	4×500 µL

Package

10/50/4×50 reactions

Storage Condition

Store for 6 months at -20°C upon receipt. Avoid exposure to light.

FAQ

Q: What are the FlexLinker, FlexQuencher and FlexBuffer?

A: The FlexLinker is a small polypeptide to which dyes are covalently conjugated that can label unconjugated primary antibodies. The FlexQuencher is an Fc-containing fragment that neutralizes the excess FlexLinker. The FlexBuffer is a PBS-based buffer.

Q: What is the largest quantity I can label?

A: With a standard kit size (50 reactions), you can label 25 µg of one antibody or up to 50 different antibodies. You can easily scale up the antibody amount per labeling approach.

Q: What is the lowest concentration of my primary antibody that I can use?

A: Our protocol uses 0.5 µg of primary antibody in 7 µL, which ends up at 0.07 mg/mL. If the concentration of your antibody is lower, you can also use a larger volume than 7 µL.

Q: Can I label primary antibodies stored in BSA, glycerol, Tris buffer and/or preservatives?

A: Yes, FlexAble Antibody Labeling Kits have been validated with carriers and amine buffers. Neither BSA nor amine buffers, in any chosen concentration, interfere with the labeling. 50% glycerol as well as preservatives like sodium azide are also compatible with the kit.

Q: How many different primary antibodies can I label with one kit?

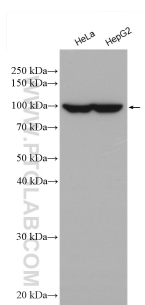
A: You can label up to 50 different antibodies with our FlexAble 50 rxn Kit, and up to 10 antibodies with our FlexAble 10 rxn Kit.

Q: Will I observe cross-reactivity/leaking when I use two FlexAble-labeled antibodies from the same species during multiplexing?

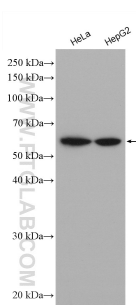
A: FlexAble labels primary antibodies with a high affinity FlexLinker. Dissociation of FlexLinker from one antibody and association to another antibody is rare. If you observe leaking, we recommend adding more FlexQuencher to remove unbound FlexLinker, or you can try sequential staining of the labeled antibodies.

[More FAQs](#)

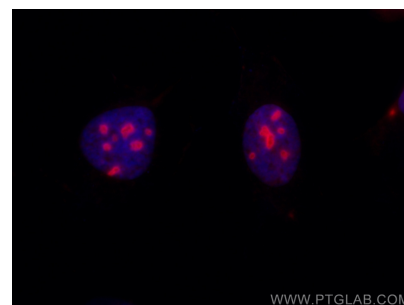
Validation Data



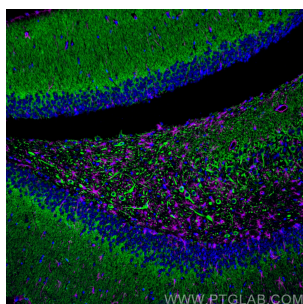
Various cell lysates were subjected to SDS PAGE followed by western blot with anti-MARS antibody (67739-1-Ig) labeled with FlexAble HRP Antibody Labeling Kit for Mouse IgG2a (KFA045).



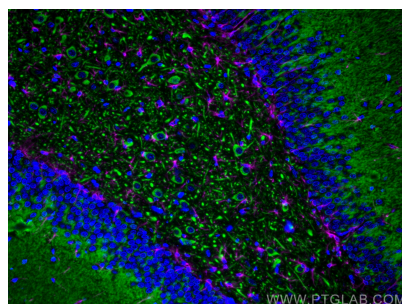
Various cell lysates were subjected to SDS PAGE followed by western blot with anti-Importin Alpha 5 antibody (67897-1-Ig) labeled with FlexAble HRP Antibody Labeling Kit for Mouse IgG2a (KFA045).



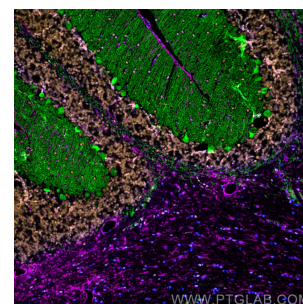
Immunofluorescence of HeLa: PFA-fixed HeLa cells were stained with anti-GNL3 antibody (67169-1-Ig) labeled with FlexAble HRP Antibody Labeling Kit for Mouse IgG2a (KFA045) and Tyramide-594 (red). Cell nuclei are in blue.



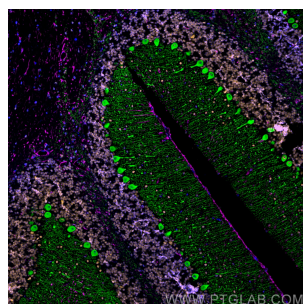
Immunofluorescence of rat brain: FFPE rat brain sections were stained with anti-MAP2 antibody (17490-1-AP, green) labeled with FlexAble HRP Antibody Labeling Kit for Rabbit IgG (KFA005) and Tyramide-488, and anti-GFAP antibody (60190-1-Ig, magenta) labeled with FlexAble HRP Antibody Labeling Kit for Mouse IgG2a (KFA045) and Tyramide-650. Cell nuclei are in blue.



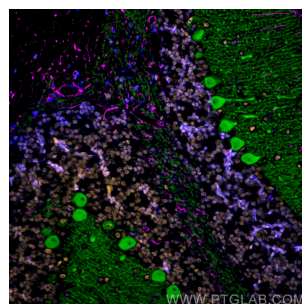
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Immunofluorescence of mouse cerebellum: FFPE mouse cerebellum sections were stained with anti-Calbindin antibody (14479-1-AP, green) labeled with FlexAble HRP Antibody Labeling Kit for Rabbit IgG (KFA005) and Tyramide-488, anti-FUS antibody (68262-1-Ig, orange) labeled with FlexAble HRP Antibody Labeling Kit for Mouse IgG1 (KFA025) and Tyramide-555, and anti-GFAP antibody (60190-1-Ig, magenta) labeled with FlexAble HRP Antibody Labeling Kit for Mouse IgG2a (KFA045) and Tyramide-650. Cell nuclei are in blue.



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For technical support and original validation data for this product please contact

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