Agrisera
Part of Thermo Fisher Scientific

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Product no AS20 4515

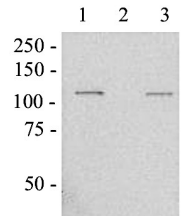
Anti-GAL | Beta galactosidase

Product information

Immunogen	Full length Beta galactosidase from *E.coli,* UniProt: B7UJI9.
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG, purified on Protein A.
Format	Liquid at 2 mg/ml, in PBS with 50 % glycerol.
Quantity	200 µg
Storage	Store at -20°C, Avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

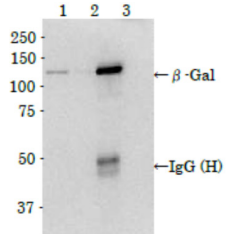
Application information

Recommended dilution	1: 2000 - 1: 3000 (ELISA), 1: 200 - 1: 500 (IF, IP), 1 : 1000 - 1: 2000 (WB)
Expected | apparent MW	116 kDa
Confirmed reactivity	Beta galactosidase (*E.coli*) and beta galactosidase tagged proteins
Selected references	



1. Purified -galactosidase, 10 ng
2. Uninduced *E. coli* K12 cell extract (30 ug)
3. *E.coli* K12 cell extract induced by IPTG for -galactosidase expression (30 ug)

The anti- -galactosidase antibody was used at 1:1000 dilution in TBS-T.
Molecular mass of -galactosidase is 116 kDa.



Sample: Crude extract of *E. coli* K12 cells induced by IPTG for -galactosidase expression.
1. Crude cell extract
2. Supernatant of the immuno-precipitated *E. coli* crude extract
3. Immuno-precipitate of crude *E. coli* extract

The anti- -galactosidase antibody was used at 1:500 dilution for immune-precipitation and 1:1000 for western blot. IgG (H) is heavy chain of IgG immunoglobulin. Membrane for transfer: nitrocellulose. Detection: chemiluminescent, following manufacture's recommendations.

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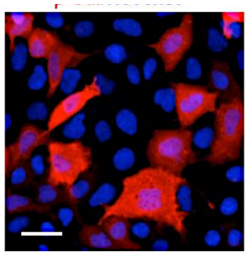

HEK293A cells were transfected with -Gal cDNA, fixed with 4% paraformaldehyde 24 hrs later, permeabilized with methanol, and immunostained with anti- -Gal antibody (1: 500) and Alexa 555-conjugated rabbit IgG (1:500). Chromosomal DNA was stained with Hoechst 33342. Scale bar, 50 mm. Note that the antibody reacts only in transfected cells.