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Datasheet for ABIN2690376

## Rabbit anti-Mouse IgG1, kappa Antibody

### 1 Publication

#### Overview

Quantity:	1 mg
Target:	IgG1, kappa
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Western Blotting (WB)

#### Product Details

Isotype:	IgG
Purification:	Purified by Protein A.

#### Target Details

Target:	IgG1, kappa
Alternative Name:	IgG1, Kappa Light Chain ( <a href="#">IgG1, kappa Products</a> )

**Background:** Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/mL in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions, to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.

## Application Details

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Application Notes:           WB 1:500-2000  
                                      ELISA 1:500-2000  
                                      IHC-P 1:500-2000  
                                      IHC-F 1:500-2000

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Restrictions:                 For Research Use only

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## Handling

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Format:                        Lyophilized

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Storage:                      -20 °C

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Storage Comment:           Store at -20°C

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Expiry Date:                 12 months

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## Publications

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Product cited in:            Stumpf, Wimmer, Lorenz, Stieger: "Creation of different bioluminescence resonance energy transfer based biosensors with high affinity to VEGF." in: **PLoS ONE**, Vol. 15, Issue 3, pp. e0230344, (2020) ([PubMed](#)).

Chen, Hsueh, Lee, Tsai, Tsai, Chiang: "FGF primes angioblast formation by inducing ETV2 and LMO2 via FGFR1/BRAF/MEK/ERK." in: **Cellular and molecular life sciences : CMLS**, (2020) ([PubMed](#)).

Keys, Wetter, Hang, Rutschmann, Russo, Mally, Steffen, Zuppiger, Müller, Schneider, Faridmoayer, Lin, Aebi: "A biosynthetic route for polysialylating proteins in Escherichia coli." in: **Metabolic engineering**, Vol. 44, pp. 293-301, (2018) ([PubMed](#)).