

Product datasheet

Anti-E2 tag antibody [3F12] ab978

7 References 1 Image

Overview

Product name	Anti-E2 tag antibody [3F12]
Description	Mouse monoclonal [3F12] to E2 tag
Host species	Mouse
Tested applications	Suitable for: WB, IP, ICC/IF
Species reactivity	Reacts with: Species independent
Immunogen	Recombinant full length protein corresponding to Bovine papillomavirus E2 tag. Database link: P03122
Epitope	GVSTSSDFRDR(linear)
General notes	<p>E2TAG having sequence SSTSSDFRDR or GVSTSSDFRDR and antibodies specific for the peptide tag are covered by PCT Patent No PCT/EE01/00001 held by Quattromed Ltd. End-user is granted to use the licenced technology solely for internal research purpose only. This antibody should be used in conjunction with the E2 tagging vectors (links to the appropriate datasheet can be found in the Related Products section at the bottom of the datasheet).</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
Purity	Protein A purified
Clonality	Monoclonal

Clone number 3F12
Isotype IgG1

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab978 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
IP		
ICC/IF		

Application notes

IF(ICC): 1/500- 1/1000 (1hr,RT) (dilute in 1% BSA in PBS).

IP: Use at an assay dependent dilution to isolate E2Tag-tagged proteins and associated proteins/protein binding partners. Use protein G-agarose.

WB: 1/1000 - 1/5000 (1hr, RT) (dilute in 1% non-fat dry milk in TBST).

(Background can be reduced by adding NaCl up to a concentration of 1.5 M.)

Not tested in other applications.

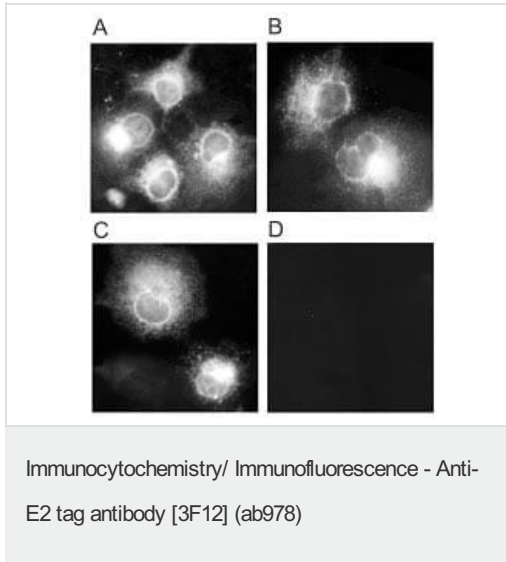
Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

The E2Tag is a peptide which is derived from the Bovine Pappillomavirus type-1 transactivator protein E2 and consists of 10 amino acids(SSTSSDFRDR). The detection of E2-tagged proteins is based on the binding of mouse monoclonal antibodies specific to the tagged recombinant protein.

Images



Staining of transfected COS-7 cells with COX-2 specific antibody (A, B, D) and with E2Tag-specific antibody (3F12)(C).

A - pcDNA3.1 rabbit COX-2,

B - pCG-E2Tag-COX,

C - pCG-COX[E2Tag]

D – neg. control, carrier DNA alone

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