

Antibody Cross-Reactivity Tables

Phosphorylation-Specific Protein Kinase Antibodies and Related Antibodies.

Antibody	Species (Subclass)	Application (Recommended Dilution)*	Known Species Cross-Reactivity
Anti-pS ⁴⁷³ Akt pAb	Rabbit (IgG)	W (1:2,500) ICC (1:50) IHC (1:50)	Rat, human, mouse and <i>Xenopus</i> **
Anti-ACTIVE® (CaM KII pAb, (p ^{T286})	Rabbit (IgG)	W (1:5,000) ICC (1:500) IHC (1:500)	Rat, human**, mouse**, dog** and <i>Xenopus</i> **
Anti-ACTIVE® JNK pAb, (pTPpY)	Rabbit (IgG)	W (1:5,000) ICC (1:1,000) IHC (1:500)	Rat, human, mouse, monkey, <i>Drosophila</i> , dog**, gerbil**, hamster** and rabbit**
Anti-ACTIVE® MAPK pAb, (pTEpY)	Rabbit (IgG)	W (1:5,000) ICC (1:500) IHC (1:500)	Human, rat, hamster, mouse, monkey, <i>Drosophila</i> , chicken, tobacco**, sea slug**, bull frog**, yeast**, <i>Xenopus</i> **, pig**, bovine**, dog**, gerbil**, hamster** and cat**
Anti-ACTIVE® p38 pAb, (pTGpY)	Rabbit (IgG)	W (1:2,000) ICC (1:500) IHC (1:500)	Rat, human, mouse, monkey**, zebrafish**, <i>Xenopus</i> **, <i>C. elegans</i> **, hamster** and gerbil**
Anti-pT ¹⁸³ MAPK pAb	Rabbit (IgG)	W (1:4,000) ICC (1:250)	Rat, human, mouse, hamster** and chicken**
Anti-ERK 1/2 pAb	Rabbit (IgG)	W (1:5,000) ICC (1:500) IHC (1:500)	Rat, human, mouse, hamster** and chicken**

Apoptosis Antibodies.

Antibody	Species (Subclass)	Application (Recommended Dilution)*	Known Species Cross-Reactivity
Anti-ACTIVE® Caspase-3 pAb	Rabbit (IgG)	ICC (1:250) IHC (1:125) W not recommended	Human, mouse, rat**, chicken** and hamster**
Anti-PARP p85 Fragment pAb	Rabbit	W (1:300 to 1:1,000) ICC (1:100) IHC (1:50)	Human, rat, bovine, mouse** and rabbit**

Growth Factor and Neurotrophic Factor Antibodies.

Antibody	Species (Subclass)	Application (Recommended Dilution)*	Known Species Cross-Reactivity
Anti-Human BDNF pAb	Chicken (IgY)	W (1µg/ml) E (1µg/ml) ICC (1–10µg/ml) IHC (10–15µg/ml) BN (10µg/ml)	Human, mouse, rat, rabbit** and quail**
Anti-Rat CNTF pAb	Chicken (IgY)	W (1µg/ml) E (1µg/ml) ICC (1–10µg/ml)	Rat, mouse, human and bovine**
Anti-Human GDNF pAb	Chicken (IgY)	W (1µg/ml) E (1µg/ml) IHC**	Human, mouse, rat and Rhesus monkey**
Anti-NGF mAb	Rat (IgG)	W (1µg/ml) E (0.5µg/ml) ICC and IHC (0.5–1µg/ml) BN not recommended	Human, mouse, guinea pig, rat, rabbit, goat, sheep, bovine, pig, horse, cat** and chicken**
Anti-Human NT-3 pAb	Chicken (IgY)	W (1µg/ml) E (1µg/ml) ICC (1–10µg/ml) BN (1–10µg/ml) IHC**	Human, mouse, rat and cat**
Anti-TGFB1 pAb	Rabbit (IgG)	W (1:1,000) IHC (1:50) E not recommended BN**	Mouse, rat, bovine, mink, pig and human**

Key

W = Western blotting IP = Immunoprecipitation IHC = Immunohistochemistry—Limited applicability
E = ELISA ICC = Immunocytochemistry BN = Biological neutralization

* Investigators should optimize concentrations for their specific applications and conditions.

**This information was not generated by Promega scientists but has been published in the scientific literature. Please contact Promega Technical Services for additional information.

