

抗体五大支柱验证策略

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研究人员需要高质量的抗体才能获得准确和可重复的实验结果。然而,好的抗体必须通过各种分析策略对抗体特异性进行严格审核。根据国际抗体验证工作组(IWGAV)所述的指导原则, GeneTex已采用多种方法来进行验证,以确保抗体质量。



KO/KD Validation 敲除敲弱策略

利用CRISPR/Cas9或RNAi等技术,将目标基因敲除或敲弱以验证抗体对蛋白质表现量变化的信号反馈。



Comparative Abs 比较抗体策略

使用2种可识别目标蛋白表面不同抗原决定簇的独立抗体,并通过对比或定量分析确定特异性。



IP-MS Analysis 免疫捕获及质谱分析

利用IP-MS分析可直接定序与抗体直接发生相互作用的目标蛋白以及其所形成的蛋白质复合物。



Orthogonal Validation 生物特性与正交策略

以生物特性作为基础进行定性及定量验证,或使用非抗体依赖方法(例如RNA表达量),检测基于抗体与生物特性或非抗体定量间的相关性。



Protein Overexpression 蛋白过表达策略

过表达目标蛋白以作为抗体验证的正控制组。

为了便于您的搜索,通过其中一种验证方法的抗体将以认证图标标识。

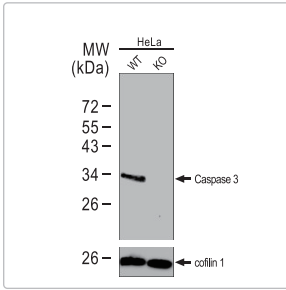
参考文献 *Nat Methods*. 2016 Oct;13(10):823-7.



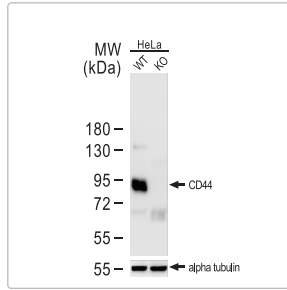
Five Pillars

代表产品

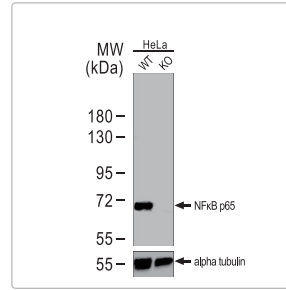
KO/KD Validation



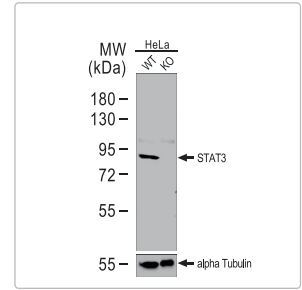
Caspase 3 antibody (GTX110543)



CD44 antibody (GTX102111)

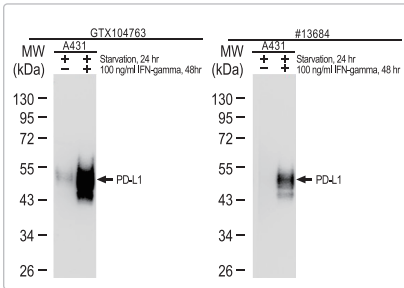


NFκB p65 antibody (GTX102090)

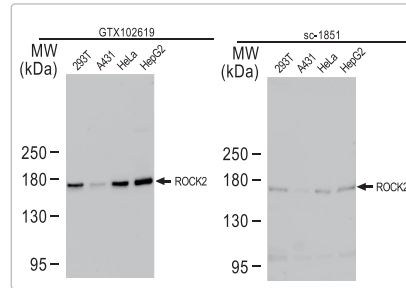


STAT3 antibody [C3], C-term (GTX104616)

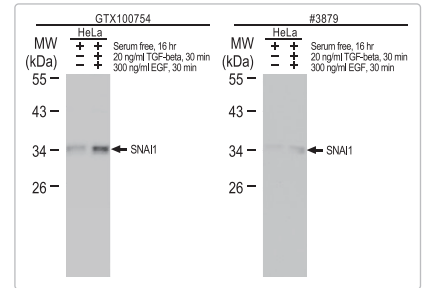
Comparative Abs



PD-L1 antibody (GTX104763)

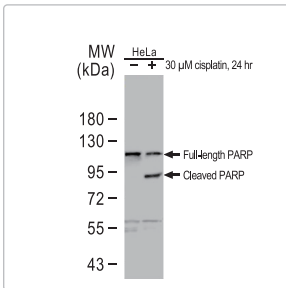


ROCK2 antibody (GTX102619)

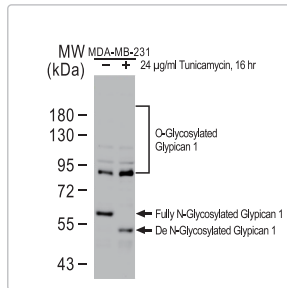


SNAI1 antibody (GTX100754)

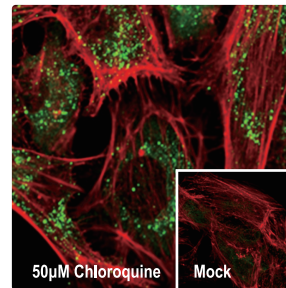
Orthogonal Validation



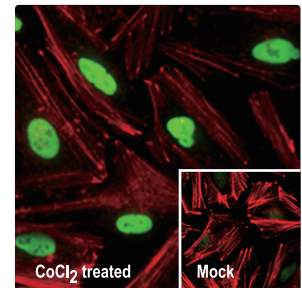
PARP antibody (GTX100573)



Glypican 1 antibody [N3C3] (GTX104557)

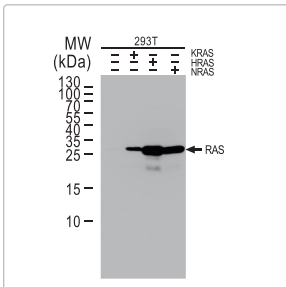


SQSTM1 antibody [N3C1], Internal (GTX100685)

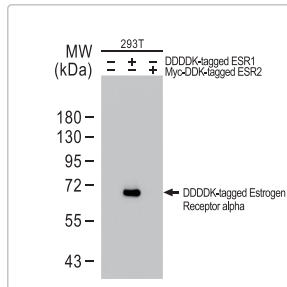


HIF1 alpha antibody (GTX127309)

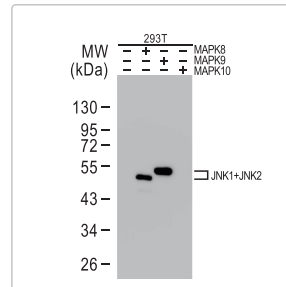
Protein Overexpression



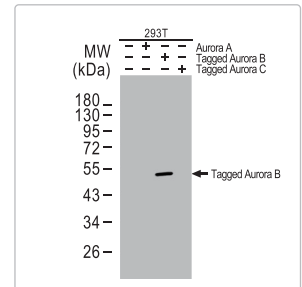
Ras antibody (GTX132480)



Estrogen Receptor alpha antibody [1F3] (GTX70171)



JNK1 + JNK2 antibody (GTX133806)



Aurora B antibody (GTX130211)