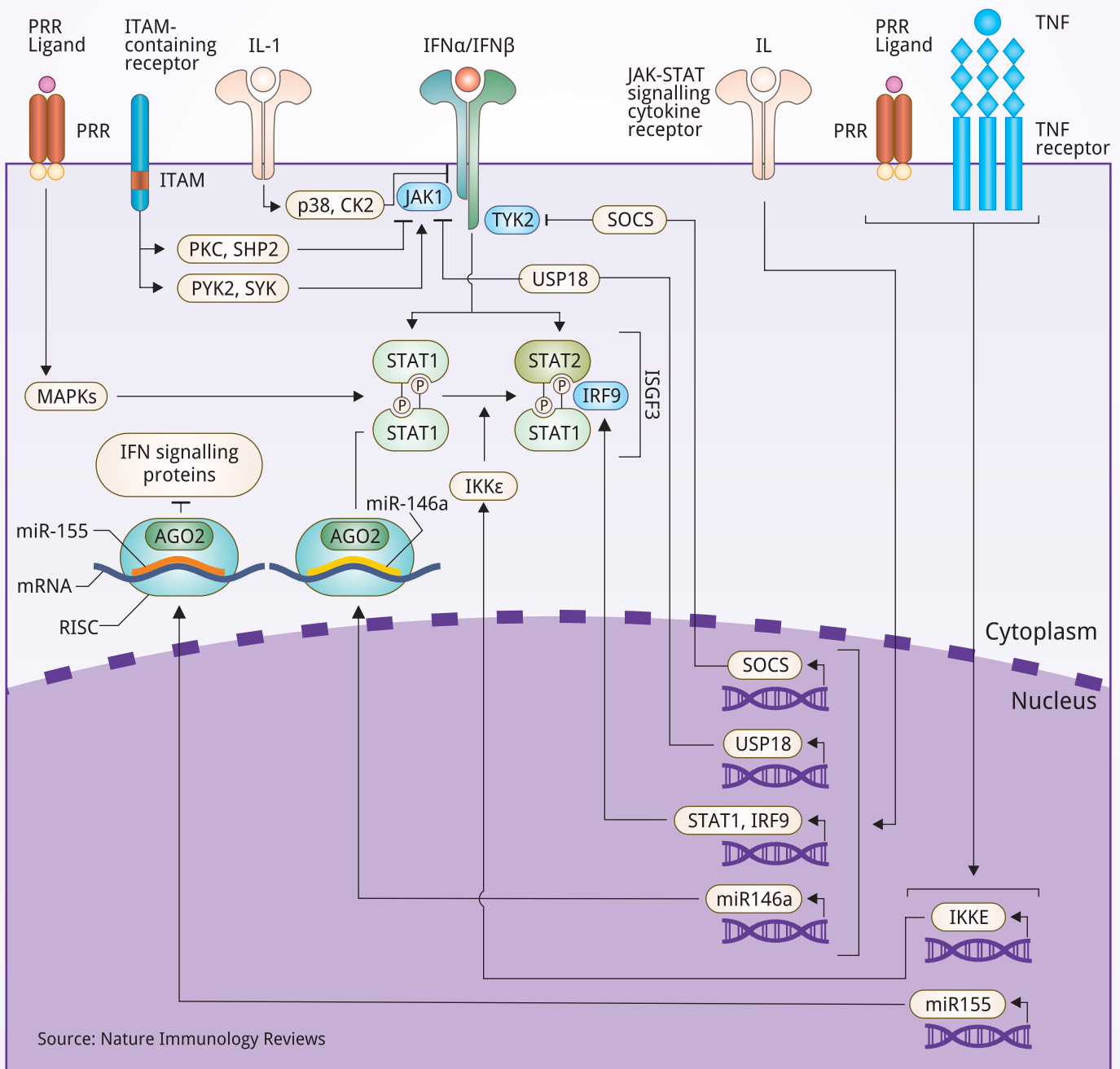


# Immunology Pathways - Type-I Interferon Signaling

Type I interferons (IFNs) activate intracellular antimicrobial signaling cascades and have an effect on the development of innate and adaptive immune responses. Canonical type I IFN signaling activates the Janus kinase (JAK)–signal transducer and activator of transcription (STAT) pathway, leading to transcription of IFN-stimulated genes (ISGs). Pathogen, host, and environmental factors regulate the responses of cells to this signaling pathway and therefore calibrate host defences as well as limiting tissue damage and preventing auto immunity.

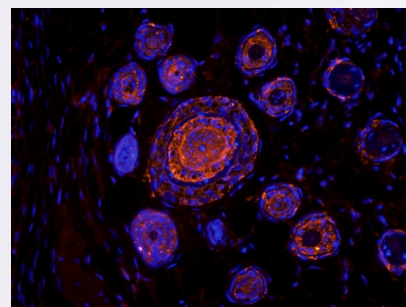




# An Extensive Range of Research Antibodies

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IFNGR1	Human, Mouse, Rat, Monkey	WB	orb214083
Il12	Mouse, Rat, Guinea Pig	P-ELISA	orb10893
STAT6	Human	WB, IHC-P	orb14463
IRF1	Human	WB, IHC-P	orb154601
IRF2	Human, Mouse, Rat	WB, IHC-P, P-ELISA	orb128228
IRF3	Human, Mouse, Rat, Cow, Dog, Horse, Pig	WB, IHC-P, P-ELISA	orb6224
C5	Human	WB, IHC-P, FACS	orb39265
TNF-alpha	Human, Mouse, Rat, Pig	IHC-P, IF/ICC	orb221324
HMG1	Human	ELISA, WB, IHC-P, IF/ICC	orb89610

## Immunology References

- Ivashkiv, L. B. et al. Regulation of type I interferon responses. Nature Reviews Immunology
- McNab, F. et al. Type I interferons in infectious disease. Nature Reviews Immunology 15,

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